



STIC Search Report

Biotech-Chem Library

STIC Database Tracking Number: 96133

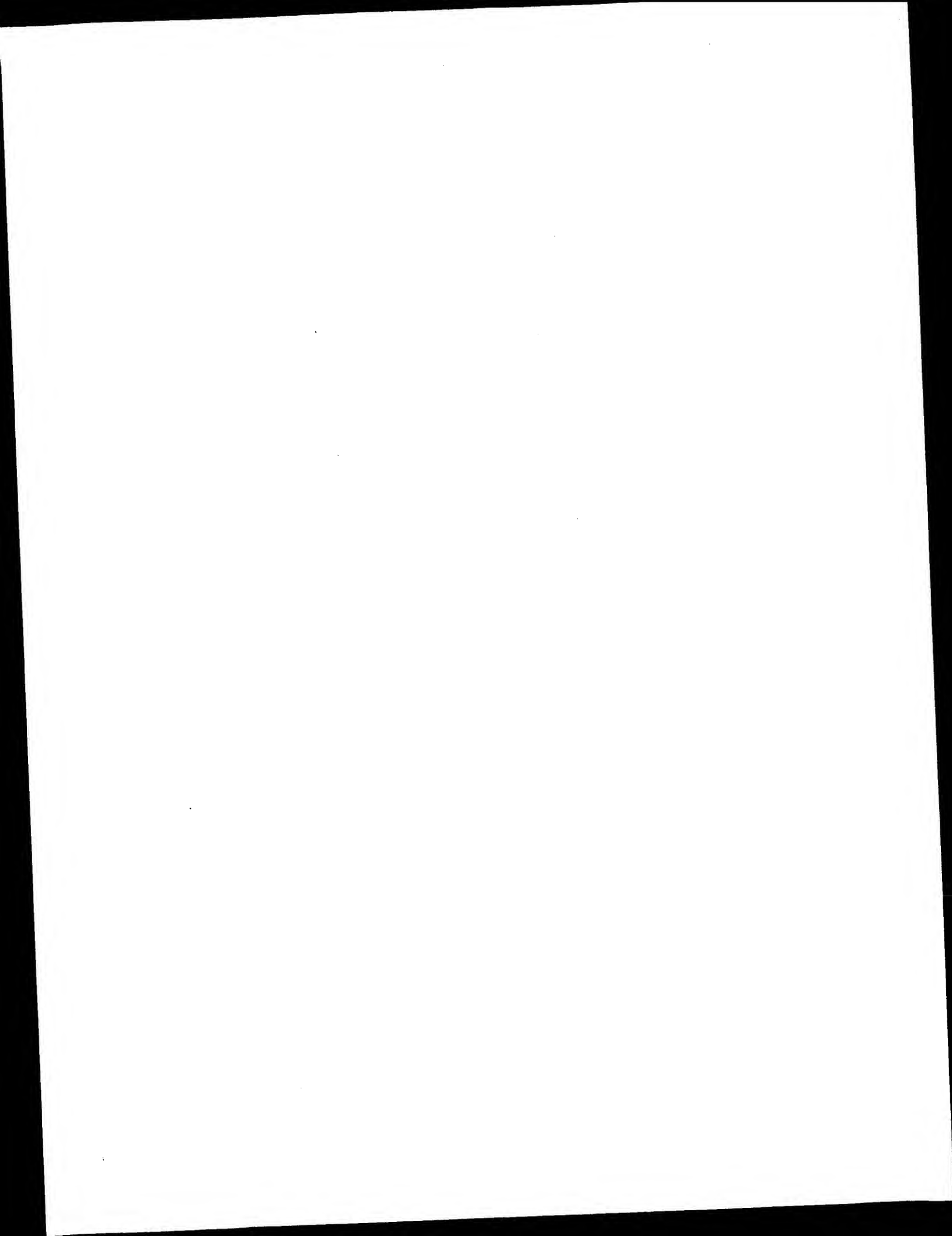
TO: Daniel Sullivan
Location: cm1/cm1/12d12/11e12
Art Unit: 1636
Tuesday, June 17, 2003

Case Serial Number: 445201

From: Susan Hanley
Location: Biotech-Chem Library
CM1-6B05
Phone: 305-4053

susan.hanley@uspto.gov

Search Notes



STIC-Biotech/ChemLib

96133

From: Chan, Christina
Sent: Monday, June 09, 2003 9:06 AM
To: Sullivan, Daniel; STIC-Biotech/ChemLib
Subject: RE: Rush sequence search for 09445201

RECEIVED

JUN-9 2003

Please rush. Thanks Chris

Chris Chan
TC 1600 New Hire Training Coordinator and SPE 1644
308-3973
CM-1, 9B19

-----Original Message-----

From: Sullivan, Daniel
Sent: Sunday, June 08, 2003 9:55 AM
To: Chan, Christina
Subject: Rush sequence search for 09445201

Hi Chris,

Would you please approve the following search for an after final amended case?

Please search for the following in the pending and issued patent databases:

A nucleic acid comprising nucleotides 1-2000, 6036-6959, 8260-10608, 10094-10608 or 11000-12845 of SEQ ID NO:1.

Thank you.

Daniel M. Sullivan
Examiner AU 1636
Room: 12D12
Mail Box: 11E12
Tel: 703-305-4448

Searcher: _____
Phone: _____
Location: _____
Date Picked Up: _____
Date Completed: _____
Searcher Prep/Review: _____
Clerical: _____
Online time: _____

TYPE OF SEARCH:

NA Sequences: _____
AA Sequences: _____
Structures: _____
Bibliographic: _____
Litigation: _____
Full text: _____
Patent Family: _____
Other: _____

VENDOR/COST (where applic.)

STN: _____
DIALOG: _____
Questel/Orbit: _____
DRLink: _____
Lexis/Nexis: _____
Sequence Sys.: _____
WWW/Internet: _____
Other (specify): _____

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: June 16, 2003, 13:37:06 ; Search time 105.842 Seconds
(without alignments)
5794.976 Million cell updates/sec

Title: US-09-445-201-l_COPY_1_2000
Perfect score: 2000
Sequence: 1 tctagaatagaagataag.....gactgggtttgaagattta 2000

Scoring table: IDENTITY_NUC
Gapop.10.0 , Gapext 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA.*
1: /cgn2_6/ptodata/2/ina/5A_COMB.seq.*
2: /cgn2_6/ptodata/2/ina/5B_COMB.seq.*
3: /cgn2_6/ptodata/2/ina/6A_COMB.seq.*
4: /cgn2_6/ptodata/2/ina/6B_COMB.seq.*
5: /cgn2_6/ptodata/2/ina/PCTUS_COMB.seq.*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	81.4	4.1	16442	3	US-08-781-891-208
C 2	73.4	3.7	48974	4	US-08-920-422-17
C 3	73	3.6	90050	4	US-09-245-041-5
C 4	72	3.6	35828	4	US-09-449-218D-17
C 5	69.8	3.5	10614	1	US-08-135-511-35
C 6	69.8	3.5	10614	1	US-08-187-453-35
C 7	69.4	3.5	90050	4	US-08-245-041-5
C 8	68.4	3.4	17056	4	US-09-245-041-5
C 9	66.4	3.3	344	5	PCT-US94-05150-24
C 10	64.6	3.2	7218	1	US-08-232-463-14
C 11	62	3.1	12537	2	US-08-611-280-4
C 12	62	3.1	12537	4	US-09-195-940-4
C 13	62	3.1	12537	4	US-09-562-466-4
C 14	59.6	3.0	5889	4	US-09-402-929-3
C 15	58.2	2.9	26700	1	US-08-472-217-1
C 16	58.2	2.9	26700	2	US-08-488-199-5
C 17	58.2	2.9	26700	3	US-08-760-534A-1
C 18	56.6	2.8	29604	3	US-08-781-891-207
C 19	56.4	2.8	13011	2	US-08-791-849A-14
C 20	55.8	2.8	5973	4	US-09-245-041-4
C 21	55	2.8	471	2	US-08-841-349-17
C 22	54.8	2.7	5889	4	US-09-402-929-3
C 23	54.8	2.7	446	3	US-09-188-930-43
C 24	54.2	2.7	446	3	US-09-188-930-212
C 25	53.6	2.7	7218	1	US-08-232-463-14
C 26	53.4	2.7	3205	4	US-09-061-768A-3
C 27	52.6	2.6	10409	3	US-08-772-440-33

C 28	52.4	2.6	5109	4	US-08-930-055A-2	Sequence 2, Appli
C 29	52.4	2.6	37950	4	US-09-338-907-183	Sequence 183, App
C 30	52.4	2.6	37950	4	US-09-218-207-183	Sequence 183, App
C 31	52.2	2.6	4243	4	US-08-477-831C-7	Sequence 7, Appli
C 32	52	2.6	29604	3	US-08-781-891-207	Sequence 12, Appli
C 33	51.6	2.6	2998	2	US-08-841-349-12	Sequence 4, Appli
C 34	51.2	2.6	6645	2	US-08-380-403A-4	Sequence 4, Appli
C 35	51.2	2.6	6645	2	US-08-895-628-4	Sequence 4, Appli
C 36	51.2	2.6	6645	4	US-08-895-810D-4	Sequence 4, Appli
C 37	51	2.5	48974	4	US-08-920-422-17	Sequence 17, Appli
C 38	50.4	2.5	4749	1	US-08-452-259-1	Sequence 1, Appli
C 39	50.4	2.5	4749	5	PCT-US96-07336-1	Sequence 1, Appli
C 40	50.2	2.5	2272	3	US-08-147-592A-3	Sequence 3, Appli
C 41	50.2	2.5	2272	4	US-08-292-694A-3	Sequence 3, Appli
C 42	49.8	2.5	6645	2	US-08-380-403A-4	Sequence 4, Appli
C 43	49.8	2.5	6645	2	US-08-895-628-4	Sequence 4, Appli
C 44	49.8	2.5	6645	4	US-08-895-810D-4	Sequence 4, Appli
C 45	49.8	2.5	35828	4	US-09-449-218D-17	Sequence 17, Appli

ALIGNMENTS

RESULT 1
US-08-781-891-208/c
; Sequence 208, Application US/08781891
; Patent No. 6090620
; GENERAL INFORMATION:
; APPLICANT: Fu, Ying-Hui
; APPLICANT: Yu, Chang-En
; APPLICANT: Oshima, Junko
; APPLICANT: Mulligan, John T.
; APPLICANT: Schellenberg, Gerald D.
; TITLE OF INVENTION: GENE AND GENE PRODUCTS RELATED TO
; TITLE OF INVENTION: WERNER'S SYNDROME
; NUMBER OF SEQUENCES: 209
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/781,891
; FILING DATE: 27-DEC-1996
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: NO. 6090620tenburg Ph.D., Carol
; REGISTRATION NUMBER: 39,317
; REFERENCE/DOCKET NUMBER: 240052.419
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 208:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16442 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear

Query Match 4.1%; Score 81.4; DB 3; Length 16442;

Best Local Similarity 65.4%; Pred. No. 5.4e-12;

Matches 151; Conservative 0; Mismatches 76; Indels 4; Gaps 2;

QY 1555 GATGGAGAGATGCTCAACAGTTTAGACGAAGCGTGTCTTTCGACAGGACCTAGGTTC 1614
| |||| |||| |||| |||| |||| |||| |||| |||| |||| |||| |||| |||| |||| ||||

Db 10065 CTTGGAAGATAGTCTACGACGTTAAGACATGGCTGCTCTCTTAGAGAGGCCAGGTTTG 10006
 QY 1615 AGTCTGGCACTCAGA-GGTGGCTCACAATCATCTGTCACTTCAGTTCCAGGGCACTGA 1673
 Db 10005 ATTCCAGCACCACATGGCAGCTTCAACTGTGTGAACACCACTTCAGAGATCCAA 9946
 QY 1674 AGAATCTTCTGGGCTCCATGGGCACTCACTACACATCTGGTTCATAGACATACGCCA 1733
 Db 9945 TACCCTCTCTGCACTCTCTCAGGAATACATCACATAAGTTGTACAGAGACATACGAG 9886
 QY 1734 CCAATGATTGATCCATACATATGAATAAACCAATAACAGAAAAA 1784
 Db 9885 GCAA---AGACAGCCATACATAAATGATACAAAAAATCTTTAA 9838

RESULT 2

US-08-920-422-17/c
 ; Sequence 17, Application US/08920422A
 ; Patent No. 6255473

GENERAL INFORMATION:

; APPLICANT: Vitek, Michael P.
 ; APPLICANT: Mitsuda, No. 6255473iaki
 ; APPLICANT: Roses, Allen D.
 ; TITLE OF INVENTION: Presenilin-1 Gene Promoter
 ; FILE REFERENCE: VITEKPRESENTINLIN
 ; CURRENT APPLICATION NUMBER: US/08/920.422A
 ; CURRENT FILING DATE: 1997-08-29
 ; NUMBER OF SEQ ID NOS: 22

; SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 17

LENGTH: 48974

TYPE: DNA

ORGANISM: Mus musculus

US-08-920-422-17

Query Match 3.7%; Score 73.4; DB 4; Length 48974;

Best Local Similarity 65.4%; Pred. No. 1.4e-09;

Matches 138; Conservative 0; Mismatches 71; Indels 2; Gaps 2;

QY 1579 AGACGACGGCTGTCTTGGCAGGACCTAGTTTCAAGTCTGGCACTCAGA-GGTGGCT 1637
 Db 9965 AGACGACTGTCTGTCTTGGCAGGACCCAGTTTGTCTCCAGCACCACATGGTGGCT 9906
 QY 1638 CACAATCATCTGACTTCAGTCCAGGGGATCTGAAGAATCTTCTGGCTCCATGGC 1697
 Db 9905 CATATCATTTCAATCACTCTGTTTCAGGGCATCTGTCTCTCTGACCTCCACAGC 9846
 QY 1698 ATCACTACACACTGTGTTTCATACATACATGCGCAGCAATGATTCATCATATG 1757
 Db 9845 ACCAGGCACAGAT-GTGTACATTTATGACACAGGCAAAACACTTATACATAATC 9787

QY 1758 AAATAAACCATAAACACAGAAAAAAGGAA 1788

Db 9786 TACAAAATGTCTGAAAATAATAAAGGGA 9756

RESULT 3

US-09-245-041-5/c

; Sequence 5, Application US/09245041

; Patent No. 6274339

; GENERAL INFORMATION:

; APPLICANT: Moore, K.

; APPLICANT: Nagle, D.

; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE DIAGNOSIS AND TREATMENT

; FILE REFERENCE: 7853-136

; CURRENT APPLICATION NUMBER: US/09/245.041

; CURRENT FILING DATE: 1999-02-05

; EARLIER APPLICATION NUMBER: 60/093,630

; EARLIER FILING DATE: 1998-07-21

; EARLIER APPLICATION NUMBER: 60/104,978

; EARLIER FILING DATE: 1998-10-20

; NUMBER OF SEQ ID NOS: 131

; SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 5

LENGTH: 90050

TYPE: DNA

ORGANISM: Mus musculus

US-09-245-041-5

Query Match

Best Local Similarity 61.0%; Pred. No. 2.6e-09;

Matches 153; Conservative 0; Mismatches 95; Indels 3; Gaps 2;

QY 1530 TTTACAGGAGAGTTCCAGGAAGCTAGATGGAGAGATGGCTCAACAGTTTAGAGCAACGGC 1589
 Db 49292 TTTAAGAGTGTCTTACATTTTAGGGGCTAAAGAAATAGGCTTACAGAGTAAAGAGCACTCAC 49233
 QY 1590 TGTCTTTCAGAGGACCTAGTTTCAAGTCTCGCACTCAGAGGTGGCTCACAATCATCTG 1649
 Db 49232 TGTCTTTCAGAGGACCTCGGGTTGTTCTACAGCCCATATATGGCTCACAATCATCTA 49173
 QY 1650 TGACTTTCAGTTCCAGGGATCTGAAGAATTTCTTCTGGGCTCCATGGCATCAACATACACA 1709
 Db 49172 TCACICTAGTTCCA-GGGATCCAATATCTATTTCTGGCTCCACAGGCA--CTGCACACA 49116
 QY 1710 CTTGGTTTCATACATACATATGCCAGCAATGATTCATCATACATATGAATAAACCATTA 1769
 Db 49115 CATGATGCACAGGGATACAAAGAGCTAAATATTCATACATATAATAATAAAAAATA 49056
 QY 1770 AACAGAAAAA 1780
 Db 49055 AACCTTTCAA 49045

RESULT 4

US-09-449-218D-17/c

; Sequence 17, Application US/09449218D

; Patent No. 6395511

; GENERAL INFORMATION:

; APPLICANT: Brunkow, Mary E.

; APPLICANT: Galas, David J.

; APPLICANT: Kovacevich, Brian

; APPLICANT: Mulligan, John T.

; APPLICANT: Paepker, Bryan W.

; APPLICANT: Van Ness, Jeffrey

; APPLICANT: Winkler, David G.

; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR INCREASING

; FILE REFERENCE: 240083.508

; CURRENT APPLICATION NUMBER: US/09/449,218D

; CURRENT FILING DATE: 1999-11-24

; NUMBER OF SEQ ID NOS: 45

; SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 17

LENGTH: 35828

TYPE: DNA

ORGANISM: Mus musculus

FEATURE:

NAME/KEY: misc.feature

LOCATION: (1)...(35828)

OTHER INFORMATION: n = A,T,C or G

US-09-449-218D-17

Query Match

Best Local Similarity 66.1%; Pred. No. 3e-09;

Matches 152; Conservative 0; Mismatches 70; Indels 8; Gaps 3;

QY 1560 ACAGATGGCTCAACAGTTTAGAGCAACGGCTGT-----TCTTGCAGAGGACCTAGTTCAA 1615
 Db 25605 ACTGATGGCTTAGTGGCTTAAGAGCGCTGGCTCTCTCTCCGGAGGATCCAGGTTCTG 25546
 QY 1616 GTCTTGGCACTCAGA-GGTGGCTCACAATCATCTCTGACTTCCAGGGGATCTCAA 1674
 Db 25545 TTCTTAGCACCACACAGTGGCTCATACTGCTCTGCAAGTCCAGGTCCAGGGATCTGAT 25486

Qy	1675	GAATTCCTTCGGCTCCATGGGCATCAACTACACACTTGGTTCATAGACATACATGCCAG	1734
Db	25485	GCAATCTCTGATCTCCTCAGGCACGAGCTTGTAAATGCTACACAGCATATATTCAG	
Qy	1735	CAAAATGATTGATCCATACATATGAAATAAACCATAAACAGAAAAA	1784
Db	25425	CAAAAG---CACTCATACACCTTAAATTAATCACAACAAAAACAAGAAC	25379

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RESULT 5
US-08-135-511-35
; Sequence 35, Application US/08135511
; Patent No. 5558999
; GENERAL INFORMATION:
; APPLICANT: Chiang, John
; TITLE OF INVENTION: Cholesterol 7a-Hydroxylase Gene
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 3000 K Street, N.W., Suite 500
; CITY: Washington, D.C.
; COUNTRY: USA
; ZIP: 20007-5109

```

RESULT 6
US-08-187-453-35
; Sequence 35, Application US/08187453
; Patent No. 5753431
; GENERAL INFORMATION:
; APPLICANT: Chiang, John
; APPLICANT: MOORE, K.
; APPLICANT: Nagle, D.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE DIAGNOSIS AND TREATMENT
; TITLE OF INVENTION: OF BODY WEIGHT DISORDERS INCLUDING OBESITY
; FILE REFERENCE: 7853-136
; CURRENT APPLICATION NUMBER: US/09/245,041
; CURRENT FILING DATE: 1999-02-05

TITLE OF INVENTION: Cholesterol 7 α -Hydroxylase Gene
 TITLE OF INVENTION: Regulatory Elements and Transcription Factors
 NUMBER OF SEQUENCES: 17
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Foley & Lardner
 STREET: 3000 K Street, N.W., Suite 500
 CITY: Washington, D.C.
 COUNTRY: USA

```

RESULT 7
US-09-245-041-5
; Sequence 5, Application US/09245041
; Patent No. 6274339
; GENERAL INFORMATION:
; APPLICANT: Moore, K.
; APPLICANT: Nagie, D.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE DIAGNOSIS AND TREATMENT
; TITLE OF INVENTION: OF BODY WEIGHT DISORDERS INCLUDING OBESITY
; FILE REFERENCE: 7853-136
; CURRENT APPLICATION NUMBER: US/09/245,041
; CURRENT FILING DATE: 1999-02-05

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; EARLIER APPLICATION NUMBER: 60/093,630
; EARLIER FILING DATE: 1998-07-21
; EARLIER APPLICATION NUMBER: 60/104,978
; EARLIER FILING DATE: 1998-10-20
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 90050
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-245-041-5

Query Match          3.3%; Score 69.4; DB 4; Length 90050;
Best Local Similarity 69.7%; Pred. No. 2.5e-08;
Matches 108; Conservative 0; Mismatches 46; Indels 1; Gaps 1;

QY 1543 TCCAGGAGCTAGATGGAGATGGCTCAACAGTTTAGAGCAACGGCTGTCTTTGCGAG 1602
DB 77740 TTCAAAATGGGGCTGGAGAGATGGCTAGTGGTTAAAGCACTGGCTCTTTGGTCAG 77799

QY 1603 GACCTAGCTTCAAGTCTCGGCACTCAGA-GGTGGCTCACAATCATCTGTCACTTCAGTTC 1661
DB 77800 GACACTAGTTCAGTTCCTCCAGTACCCACATGGTGGCTCACAACCTTCTGTGACTACAGTTC 77859

QY 1662 CAGGGATCTCAAGAAATCTTCTGGGCTCCATGGG 1696
DB 77860 CAGATAACCTGCACACCCCTCTGGCTTCCTCGGG 77894

RESULT 8
US-09-245-041-3/c
; Sequence 3, Application US/09245041
; Patent No. 6274339
; GENERAL INFORMATION:
; APPLICANT: Moore, K.
; APPLICANT: Nagle, D.
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE DIAGNOSIS AND TREATMENT
; OF BODY WEIGHT DISORDERS INCLUDING OBESITY
; FILE REFERENCE: 7853-136
; CURRENT APPLICATION NUMBER: US/09/245,041
; CURRENT FILING DATE: 1999-02-05
; EARLIER APPLICATION NUMBER: 60/093,630
; EARLIER FILING DATE: 1998-07-21
; EARLIER APPLICATION NUMBER: 60/104,978
; EARLIER FILING DATE: 1998-10-20
; NUMBER OF SEQ ID NOS: 131
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 17056
; TYPE: DNA
; ORGANISM: Mus musculus
US-09-245-041-3

Query Match          3.4%; Score 68.4; DB 4; Length 17056;
Best Local Similarity 62.9%; Pred. No. 1.9e-08;
Matches 122; Conservative 0; Mismatches 71; Indels 1; Gaps 1;

QY 1562 AGATGGCTTCAACAGTTTAGCAACCGCTGTCTTTGCGAGGACCTAGGTTCAAGTCTCTG 1621
DB 3118 AGATGGCTTCTGGTTAAGAGTACTGGTGTCTCTTCCAGAGGACCTCAGGTTTGATCCCTAG 3059

QY 1622 GCACCTCAGAGGTGGCTCACAATCATCTGTGACITTCAGTTCAGGGGATCTGAAGAAATCT 1681
DB 3058 CATCCACAAGTAGCTCATPAAG-ATCTGTAACCTAGTTCAGGGGATTCATGCGCTTTT 3000

QY 1682 TCTGGGCTCCATGGGCTCAACTACACACTTGGTTTCATAGACATACATGCCAGCAATGA 1741
DB 2999 CTGACATCATTTGGGTACCAACGACCAAGTGGTATATAGGCATACATGTTAAACAATA 2940

QY 1742 TTGATCCATACATA 1755
DB 2939 CCTGTACATGTA 2926

; TITLE OF INVENTION: Purified Mammalian Flt3 Ligands and Agonists and Antagonist
; NUMBER OF SEQUENCES: 37
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: Macintosh 6.0.5
; SOFTWARE: Microsoft Word 5.1a
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US94/05150
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/162,413
; FILING DATE: 03-DEC-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/155,111
; FILING DATE: 19-NOV-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/112,391
; FILING DATE: 24-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/106,340
; FILING DATE: 13-AUG-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/092,549
; FILING DATE: 16-JUL-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/089,263
; FILING DATE: 07-JUL-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/065,231
; FILING DATE: 19-MAY-1993
; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 344 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
PCT-US94-05150-24

Query Match          3.3%; Score 66.4; DB 5; Length 344;
Best Local Similarity 59.8%; Pred. No. 8.5e-09;
Matches 149; Conservative 0; Mismatches 92; Indels 8; Gaps 2;

QY 1569 TCAACAGTTTAGAGCAACGGCTGTCTTTCAGAGGACCTAGGTTCAAGTCTCGGCACTCA 1628
DB 344 TCAGCAGGTAAAGAACCCCTGGTGTCTCTTGCATTGGACCTGG-----GTCCCAGCACCAC 291

QY 1629 GAGGTGGCTCACAATCATCT--GTGACTTCAGTTCAGGGGATCTGAAGAATTTCTTCTGG 1686
DB 290 GTGGTGGTTACACAGGAGCANNAGAGACTCCAGTTTCAGGGGATCTGGTCCCTCTTCTGG 231

QY 1687 GCTCCATGGGCATCAACTACACACTTGGTTTCATAGACATACATGCCAGCAATGATGAT 1746
DB 230 CCTCTGCGAGCCACACACATTCAGTGCACCTTACAGGCATGTAGGTAAACACTCAC 171

QY 1747 CCATACATATGAATAAACCATTAACAGAAAAAAGGAAGGAGGTCAGGGAAGGAAAAA 1806
DB 170 ACATAAAGATACATCTTTTAAAAAAGAAAGAAAGAGAGAGAAAAATAGGAGCAAGAC 111

QY 1807 AGTTTAAAA 1815
DB 110 ATGTGTGAA 102

RESULT 10
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US-08-232-463-14
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; PRIOR APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMM0
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: pTZgpt-Fls
US-08-232-463-14

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Db      1351 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1410
QY      1056 CATAGTCATGCATACATTTTGCTGCC 1084
Db      1411 YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY 1439

RESULT 11
US-08-611-280-4
: Sequence 4, Application US/08611280
: Patent No. 5891666
: GENERAL INFORMATION:
: APPLICANT: Matsuyama, Toshifumi
: APPLICANT: Grossman, Alex
: APPLICANT: Richardson, Christopher D.
: TITLE OF INVENTION: NOVEL GENES ENCODING LSIRF POLYPEPTIDES
: NUMBER OF SEQUENCES: 25
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Amgen Canada Inc.
: STREET: 6733 Mississauga Road, Suite 303
: CITY: Mississauga
: STATE: Ontario
: COUNTRY: Canada
: ZIP: L5N 6JB
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/611,280
: FILING DATE:
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: Oleski, Nancy A.
: REGISTRATION NUMBER: 34,688
: REFERENCE/DOCKET NUMBER: A-338A
: INFORMATION FOR SEQ ID NO: 4:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 12537 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: US-08-611-280-4

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RESULT 12
US-09-195-940-4
; Sequence 4, Application US/09195940
; Patent No. 6258935
; GENERAL INFORMATION:
; APPLICANT: Matsuyama, Toshifumi
; APPLICANT: Grossman, Alex
; APPLICANT: Richardson, Christopher D.
; TITLE OF INVENTION: NOVEL GENES ENCODING LSIRF POLYPEPTIDES
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSED: Amgen Canada Inc.
; STREET: 6733 Mississauga Road, Suite 303

CITY: Mississauga
STATE: Ontario
COUNTRY: Canada
ZIP: L5N 6J8
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/195,940
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/611,280
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Oleski, Nancy A.
REGISTRATION NUMBER: 34,688
REFERENCE/DOCKET NUMBER: A-338A
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 12537 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
SEQUENCE DESCRIPTION: SEQ ID NO: 4:
US-09-562-466-4

Query Match 3.1%; Score 62; DB 4; Length 12537;
Best Local Similarity 72.7%; Pred. No. 9e-07;
Matches 80; Conservative 0; Mismatches 30; Indels 0; Gaps 0;

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DB 11026 AGAAGCAACAACGGCTGGAGATGGCTCAGTTGTTAAGACACAGGCTGTCTTCCA 11085

QY 1600 GAGGACCTAGTTCAAGTCTGCGACTCAGAGTGCTCACAATCATCTG 1649
DB 11086 GAGGCTCAGTTAATCTCTAGAACACCATGTGCTTACAACCATCTG 11135

RESULT 14
US-09-402-929-3/C
Sequence 3, Application US/09402929
Patent No. 6410825
GENERAL INFORMATION:
APPLICANT: Temple University - Of The Commonwealth System of Higher Education
APPLICANT: Toscani, Antonio
APPLICANT: Hatton, Kimi
APPLICANT: Reddy, E. P.
TITLE OF INVENTION: A-myb NULL MUTANT TRANSGENIC ANIMALS AND
TITLE OF INVENTION: USES THEREOF
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: SEIDEL, GONDA, LAVORGNA & MONACO, P.C.
STREET: Suite 1800 Two Penn Center Plaza
CITY: Philadelphia
STATE: PA
COUNTRY: U.S.A.
ZIP: 19102
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/402,929
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US98/06896
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Monaco, Daniel A.
REGISTRATION NUMBER: 30,480
REFERENCE/DOCKET NUMBER: 6056-214 PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 568-8383
TELEFAX: (215) 568-5549
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 5889 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-402-929-3

Query Match 3.0%; Score 59.6; DB 4; Length 5889;
Best Local Similarity 72.6%; Pred. No. 2.7e-06;

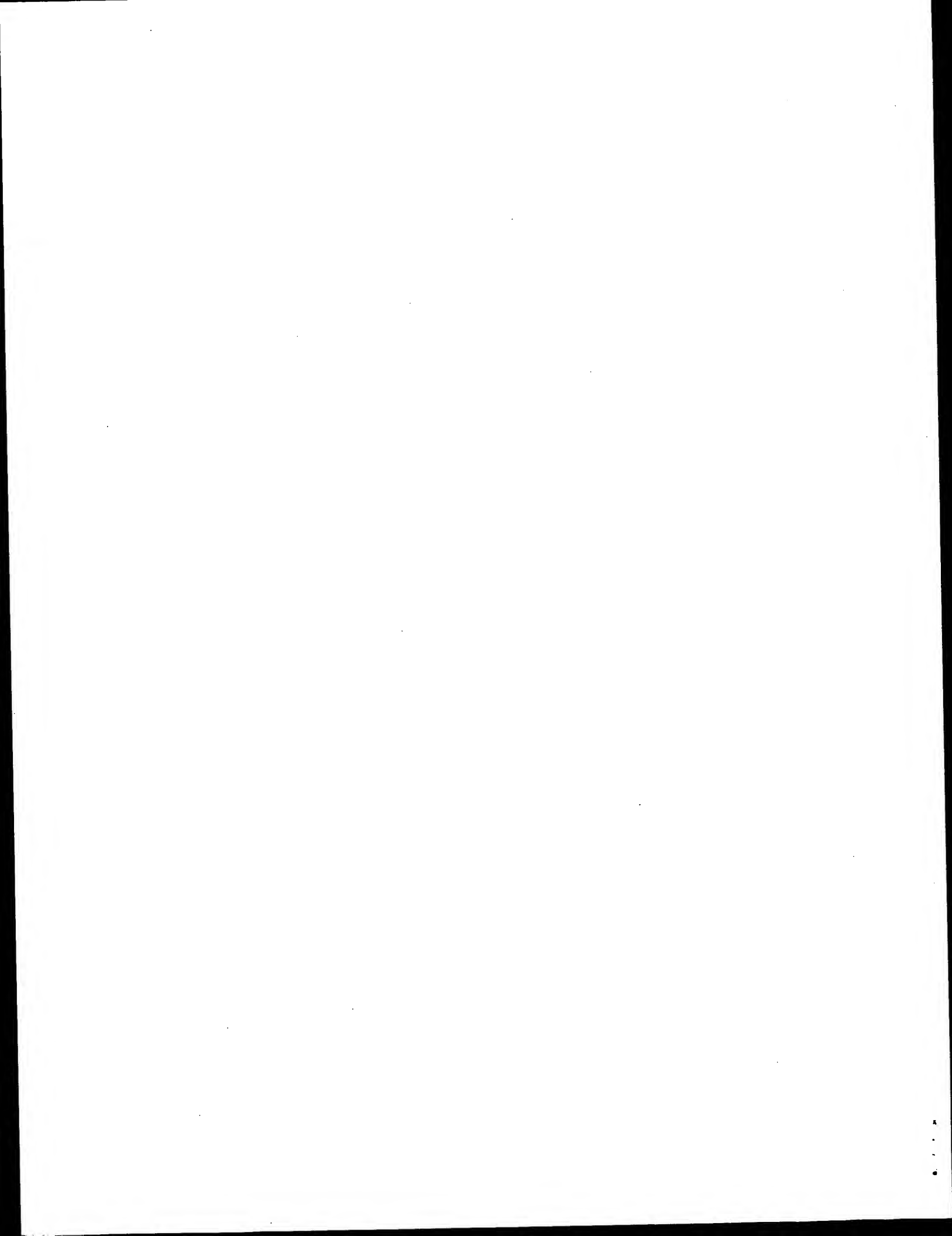
CITY: Mississauga
STATE: Ontario
COUNTRY: Canada
ZIP: L5N 6J8
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/195,940
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/611,280
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Oleski, Nancy A.
REGISTRATION NUMBER: 34,688
REFERENCE/DOCKET NUMBER: A-338A
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 12537 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
US-09-195-940-4

Query Match 3.1%; Score 62; DB 4; Length 12537;
Best Local Similarity 72.7%; Pred. No. 9e-07;
Matches 80; Conservative 0; Mismatches 30; Indels 0; Gaps 0;

QY 1540 AGTTCAGGAGCTAGATGGCTCAACAGCTTTAGAGCAACGGCTGTCTTGA 1599
DB 11026 AGAAGCAACAACGGCTGGAGATGGCTCAGTTGTTAAGACACAGGCTGTCTTCCA 11085

QY 1600 GAGGACCTAGTTCAAGTCTGCGACTCAGAGTGCTCACAATCATCTG 1649
DB 11086 GAGGCTCAGTTAATCTCTAGAACACCATGTGCTTACAACCATCTG 11135

RESULT 13
US-09-562-466-4
Sequence 4, Application US/09562466
Patent No. 6369202
GENERAL INFORMATION:
APPLICANT: Matsuyama, Toshifumi
Grossman, Alex
Richardson, Christopher D.
TITLE OF INVENTION: NOVEL GENES ENCODING LSIRF POLYPEPTIDES
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Canada Inc.
STREET: 6733 Mississauga Road, Suite 303
CITY: Mississauga
STATE: Ontario
COUNTRY: Canada
ZIP: L5N 6J8
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/562,466
FILING DATE: 01-May-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/195,940
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Oleski, Nancy A.



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OM nucleic - nucleic search, using sw model

Run on: June 16, 2003, 13:47:07 : Search time 271.155 Seconds
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Title: US-09-445-201-1_COPY_1_2000

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Gapop 10.0 , Gapext 1.0

Searched: 1029858 seqs, 724030393 residues

Total number of hits satisfying chosen parameters: 2059716

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published_Applications_NA:*

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- 12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
- 13: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
- 14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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C 2	93.4	4.7	110079	9	US-10-175-523-96
C 3	92.4	4.6	8905	10	US-09-877-935-1
C 4	89.2	4.5	303	10	US-09-728-445-834
C 5	86.8	4.3	367	10	US-09-728-445-456
C 6	84.6	4.2	9990	10	US-09-767-088A-2
C 7	84.6	4.2	9990	10	US-09-767-088A-15
C 8	83.6	4.2	123192	9	US-10-175-523-71
C 9	82.8	4.1	331	10	US-09-728-446-411
C 10	82.4	4.1	106664	9	US-10-175-523-97
C 11	80.4	4.0	396	10	US-09-917-800A-625
C 12	78	3.9	74868	9	US-10-175-523-67
C 13	76.2	3.8	249487	9	US-10-026-188-3
C 14	73.8	3.7	130427	9	US-10-175-523-87
C 15	73.6	3.7	659158	9	US-09-771-208-20
C 16	73	3.6	90050	10	US-09-893-238-5
C 17	72	3.6	4998	10	US-09-738-968-42
C 18	71.4	3.6	90442	9	US-10-105-637-1
C 19	70.2	3.5	288	9	US-09-728-444-824

C 20	70	3.5	123192	9	US-10-175-523-71
C 21	69.4	3.5	30310	10	US-09-800-631-96
C 22	69.4	3.5	90050	10	US-09-893-238-5
C 23	68.6	3.4	272	10	US-09-728-445-456
C 24	68.4	3.4	17056	10	US-09-893-238-3
C 25	67.8	3.4	2221	10	US-09-796-858-17
C 26	67.6	3.4	401	10	US-09-728-446-929
C 27	66.8	3.3	251364	9	US-10-175-523-58
C 28	66.8	3.3	251364	9	US-10-175-523-61
C 29	66.8	3.3	251364	9	US-10-175-523-79
C 30	66.6	3.3	6043	9	US-09-989-981A-9
C 31	66.2	3.3	317	9	US-09-728-444-193
C 32	65.8	3.3	158405	9	US-10-175-523-86
C 33	65	3.2	353	10	US-09-917-800A-623
C 34	65	3.2	3750	10	US-09-917-800A-474
C 35	65	3.2	90442	9	US-10-105-637-1
C 36	64.8	3.2	2467	9	US-09-759-130B-181
C 37	64.8	3.2	74868	9	US-10-175-523-67
C 38	64.2	3.2	360	9	US-09-728-444-23
C 39	64.2	3.2	1648	10	US-09-809-545A-65
C 40	64.2	3.2	2304	9	US-10-175-523-69
C 41	63.8	3.2	465	9	US-09-728-444-434
C 42	63	3.1	158405	9	US-10-175-523-86
C 43	62.8	3.1	366	9	US-09-728-444-208
C 44	62.8	3.1	3763	9	US-09-870-759-141
C 45	62.2	3.1	265	9	US-09-728-444-170

ALIGNMENTS

RESULT 1

US-09-771-208-20/c
; Sequence 20, Application US/09771208
; Patent NO. US20020155564A1
; GENERAL INFORMATION:
; APPLICANT: MEDRANO, JUAN
; APPLICANT: BRADFORD, ERIC
; APPLICANT: HORVAT, SIMON
; TITLE OF INVENTION: CLONING OF A HIGH-GROWTH GENE
; FILE REFERENCE: 407T-923710US
; CURRENT APPLICATION NUMBER: US/09/771, 208
; PRIOR FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: US 08/999,477
; PRIOR FILING DATE: 1997-12-29
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 20
; LENGTH: 659158
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (123459)..(123478)
; OTHER INFORMATION: n is unidentified a, c, g, or t
; NAME/KEY: misc_feature
; LOCATION: (602466)..(602485)
; OTHER INFORMATION: n is unidentified a, c, g, or t
; NAME/KEY: misc_feature
; LOCATION: (546998)..(547017)
; OTHER INFORMATION: n is unidentified a, c, g, or t
; NAME/KEY: misc_feature
; LOCATION: (494715)..(494814)
; OTHER INFORMATION: n is unidentified a, c, g, or t
; NAME/KEY: misc_feature
; LOCATION: (390986)..(391005)
; OTHER INFORMATION: n is unidentified a, c, g, or t
; NAME/KEY: misc_feature
; LOCATION: (346860)..(346823)
; OTHER INFORMATION: n is unidentified a, c, g, or t
; NAME/KEY: misc_feature
; LOCATION: (317174)..(317193)
; OTHER INFORMATION: n is unidentified a, c, g, or t

Sequence 71, Appl
Sequence 96, Appl
Sequence 5, Appl
Sequence 496, Appl
Sequence 3, Appl
Sequence 17, Appl
Sequence 929, Appl
Sequence 58, Appl
Sequence 61, Appl
Sequence 79, Appl
Sequence 9, Appl
Sequence 193, Appl
Sequence 86, Appl
Sequence 623, Appl
Sequence 474, Appl
Sequence 1, Appl
Sequence 181, Appl
Sequence 67, Appl
Sequence 23, Appl
Sequence 65, Appl
Sequence 69, Appl
Sequence 434, Appl
Sequence 86, Appl
Sequence 208, Appl
Sequence 141, Appl
Sequence 170, Appl

Tue Jun 17 12:27:06 2003

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; NAME/KEY: misc.feature
; LOCATION: (280353)..(280373)
; OTHER INFORMATION: n is unidentified a, c, g, or t
; NAME/KEY: misc.feature
; LOCATION: (271829)..(271848)
; OTHER INFORMATION: n is unidentified a, c, g, or t
; NAME/KEY: misc.feature
; LOCATION: (183872)..(183891)
; OTHER INFORMATION: n is unidentified a, c, g, or t
; NAME/KEY: misc.feature
; LOCATION: (170625)..(170645)
; OTHER INFORMATION: n is unidentified a, c, g, or t
; NAME/KEY: misc.feature
; LOCATION: (132680)..(132700)
; OTHER INFORMATION: n is unidentified a, c, g, or t
; NAME/KEY: misc.feature
; OTHER INFORMATION: n is a, c, g, or t
US-09-771-208-20

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Query Match 4.7%; Score 94.8; DB 9; Length 659158;
Best Local Similarity 61.2%; Pred. No. 2.9e-11;
Matches 170; Conservative 0; Mismatches 107; Indels 1; Gaps 1;

QY 1538 AGAGTCCAGGAGCTAGATGGAGAGATGGCTCAACAGTTTAGAGCAACGGCTGCTTGG 1597
Db 492116 ACATTTAAAAAATTTAAAAATGAGAGATGGCTCATCGGTTAAGCACACCGAGCTGCTCTC 492057

QY 1598 CAGAGGACCTAGTTCAAGTCTCGCACTCAGAG-GTGGGTCACAATCATCTGTGACTTC 1656
Db 492056 CAGAAGTTCCTGGTATTAATTCCTAGCACCTACCCAGCAGCTCATACCATATGATTCC 491997

QY 1657 AGTTCAGGAGGATCTGAAGAATTCCTGCGCTCCATGGGCATCAACTACACACTTGGTT 1716
Db 491996 AGTCCCGGGATCTGATGCGCTCTCTGAGCTCTGTAATCACTAGATATCGCGATGGT 491937

QY 1717 CATAGACATACATGCCACAATGATTGATCCATACATATGAATATAAACCATAAACAGAA 1776
Db 491936 CACAGATATACATGAGTCAAAACCCAGATACATATAATTCRAAACACITTAATGGAAG 491877

QY 1777 AAAAAAAGGAGGTGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1814
Db 491876 AAAAAAAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 491839

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RESULT 2
US-10-175-523-96/c
; Sequence 96, Application US/10175523
; Publication No. US20030096264A1
; GENERAL INFORMATION:
; APPLICANT: Brockman, Jeffrey
; APPLICANT: Evans, David
; APPLICANT: Hook, Derek
; APPLICANT: Klimczak, Leszek
; APPLICANT: Laeng, Pascal
; APPLICANT: Palfreyman, Michael
; APPLICANT: Rajan, Prithi
; TITLE OF INVENTION: MULTI-PARAMETER HIGH THROUGHPUT SCREENING ASSAYS (MPHTS)
; FILE REFERENCE: 3235/1J795-US3
; CURRENT APPLICATION NUMBER: US/10/175,523
; CURRENT FILING DATE: 2002-06-18
; PRIOR APPLICATION NUMBER: US 60/299,151
; PRIOR FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: US 60/317,828
; PRIOR FILING DATE: 2001-09-07
; PRIOR APPLICATION NUMBER: US 60/325,150
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/333,047
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: US 60/349,936
; PRIOR FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: US 60/361,834
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 197

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; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 96
; LENGTH: 110079
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)..(110079)
; OTHER INFORMATION: where n may be a or g or c or t/u, unknown, or other
US-10-175-523-96

Query Match 4.7%; Score 93.4; DB 9; Length 110079;
Best Local Similarity 61.9%; Pred. No. 2.2e-11;
Matches 148; Conservative 0; Mismatches 91; Indels 0; Gaps 0;

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Db 36386 ATGAGGGAACCTGGAGAGATGACTCACCAGTTAGTAGCAATGATTACTTCTTAGAGGAG 36327

QY 1606 CTAGGTTCAAGTCTGGCACTCAGAGGTGGCTCACAATCATCTGTGACTTCAGTTCAGG 1665
Db 36326 CTGGTTTCATTCCTCCAGTACCACACTGCAACTAAATACATCTATAACTGCAGTTCAGG 36267

QY 1666 GGATCTGAAGAATTCCTTCTGGCTCCATGGGCTCAACTACACACTTGGTTTCATAGACAT 1725
Db 36266 AGATTCAACTCTTCTGTTCTGGCTCCCAACAGCATCAGCACAATAAATGGTGTACAGACAT 36207

QY 1726 ACATGCCAGCAAAATGATTGATCCATACATATGAATAAACCATAAACAAGAAAAA 1784
Db 36206 ACACAGACAAACACTCAATACATAAATAAATAAATAAATAAATAAATAAATAAATAA 36148

RESULT 3
US-09-877-935-1
; Sequence 1, Application US/09877935
; Patent No. US20020102705A1
; GENERAL INFORMATION:
; APPLICANT: Pinto, Daniel
; APPLICANT: Robine, Sylvie
; APPLICANT: Jaisser, Frederic
; APPLICANT: Louvard, Daniel
; TITLE OF INVENTION: REGULATORY SEQUENCES OF THE MOUSE VILLIN GENE - USE IN TRANSGE
; FILE REFERENCE: 13294-002001
; CURRENT APPLICATION NUMBER: US/09/877,935
; CURRENT FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: PCT/EP 98/08009
; PRIOR FILING DATE: 1998-12-09
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 8995
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: intron
; LOCATION: (3489)..(8981)
; NAME/KEY: exon
; LOCATION: (3443)..(3487)
; OTHER INFORMATION: exon 1
US-09-877-935-1

Query Match 4.6%; Score 92.4; DB 10; Length 8995;
Best Local Similarity 67.0%; Pred. No. 8.9e-12;
Matches 146; Conservative 0; Mismatches 71; Indels 1; Gaps 1;

QY 1555 GATGAGAGATGGCTCAACAGTTTAGAGCAACGGCTGTTCTTGCAGAGGACCTAGGTCA 1614
Db 1855 GAGGAGAGATGGCTCAGCTCAGCTTCCAGGAGCAGTTCGCTCTTCTTGCAGAGGACCTAGATTCA 1914
QY 1615 AGTCTGGCAGCTCAGA-GGTGGCTCACAATCATCTGTGACTTCAGTTCAGGAGGATCTGA 1673
Db 1915 GTTCCAGGAGCTCATATGTTGCTCAGAGCACTCTGTAAATCCAGTTCAGAGGGTTCCA 1974

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Tue Jun 17 12:27:06 2003

RESULT 7

US-09-767-088A-15/c

Sequence 15, Application US/09767088A

Patent No. US20020010947A1

GENERAL INFORMATION:

APPLICANT: Gurney, Mark E.

APPLICANT: Abraham, Irene

TITLE OF INVENTION: Transgenic Mouse Model Of Human Neurodegenerative Disease

FILE REFERENCE: PHRM0303

CURRENT APPLICATION NUMBER: US/09/767.088A

CURRENT FILING DATE: 2001-01-22

PRIOR APPLICATION NUMBER: 60/177,319

PRIOR FILING DATE: 2000-01-21

NUMBER OF SEQ ID NOS: 15

SOFTWARE: Patent in version 3.0

SEQ ID NO 15

LENGTH: 9990

TYPE: DNA

ORGANISM: Artificial Sequence

NAME/KEY: misc_feature

OTHER INFORMATION: Prp/tau transgene construct

US-09-767-088A-15

Query Match 4.2%; Score 84.6; DB 10; Length 9990;

Best Local Similarity 66.2%; Pred. No. 7.5e-10;

Matches 137; Conservative 0; Mismatches 69; Indels 1; Gaps 1;

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 DB 3097 GAGTATGCTCAGTAGTAAAGACACTGGCTGCTCTCCAGATGCTCTGGGTTTGT 3038
 QY 1619 CTGGCACTCA-GAGGTGGCTCAACATCATCTGTGACTTTCAGTTCGAGGGGATCTGAAGAA 1677
 DB 3037 CCAGCACCATCTGGTAGTCTCAAACTTCTGAACTCCAGCTTAGGAGATCTGATGCT 2978
 QY 1678 TTCTCTGGGCTCCATGGGCATCACTACACTTGGTTTCATAGACATACATGCCAGCAA 1737
 DB 2977 CTCTTTGGCTCTGCAGGAGCCGATGCTGATGTTGTTACACAGACATCTTCAGGCCAA 2918
 QY 1738 ATGATTGATCCATACATATGAATAAA 1764
 DB 2917 AATACCATCCACATGAGTCAATAAA 2891

RESULT 8

US-10-175-523-71

Sequence 71, Application US/10175523

Publication No. US20030096264A1

GENERAL INFORMATION:

APPLICANT: Brockman, Jeffrey

APPLICANT: Evans, David

APPLICANT: Hook, Derek

APPLICANT: Klimczak, Leszek

APPLICANT: Laeng, Pascal

APPLICANT: Palfreyman, Michael

APPLICANT: Rejan, Prithi

TITLE OF INVENTION: MULTI-PARAMETER HIGH THROUGHPUT SCREENING ASSAYS (MPHTS)

FILE REFERENCE: 3235/LJ795-US3

CURRENT APPLICATION NUMBER: US/10/175,523

CURRENT FILING DATE: 2002-06-18

PRIOR APPLICATION NUMBER: US 60/299,151

PRIOR FILING DATE: 2001-06-18

PRIOR APPLICATION NUMBER: US 60/317,828

PRIOR FILING DATE: 2001-09-07

PRIOR APPLICATION NUMBER: US 60/325,150

PRIOR FILING DATE: 2001-09-25

PRIOR APPLICATION NUMBER: US 60/333,047

PRIOR FILING DATE: 2001-11-14

PRIOR APPLICATION NUMBER: US 60/349,936

PRIOR FILING DATE: 2002-01-18

PRIOR APPLICATION NUMBER: US 60/361,834

PRIOR FILING DATE: 2002-03-04

NUMBER OF SEQ ID NOS: 197

SOFTWARE: Patent in version 3.1

SEQ ID NO 71

LENGTH: 123192

TYPE: DNA

ORGANISM: Mus musculus

US-10-175-523-71

Query Match 4.2%; Score 83.6; DB 9; Length 123192;

Best Local Similarity 62.4%; Pred. No. 5.8e-09;

Matches 131; Conservative 0; Mismatches 79; Indels 0; Gaps 0;

QY 1555 GATGAGAGATGGCTCAACAGTTTAGAGCAACGGCTGTTTGCAGAGGAGCCTAGGTTCA 1614
 DB 100542 GCTGGAGAGATGACTCAGTGGTTAAGAACACTCGCTGCTCTTTCAGGGAACCTGGTTCA 100601
 QY 1615 AGTCTGGCACTCAGAGGTGGCTCACAATCATCTGTGACTTTCAGTTCAGGAGGATCTCAA 1674
 DB 100602 TTGACCACTCACAAGATAGCTTACAACACCTCTAATTCAGTTTCAGGGGGTCTGAT 100661
 QY 1675 GAATTCCTTCTGGCTCCATGGGCATCACTACACATTTGGTTTCATAGACATACATGCCAG 1734
 DB 100662 GCTCTCTTCTGGCTCCATAGCACTGGGCATACATTTGATCCACATACATGCATACATG 100721
 QY 1735 CAATGATGTATCCATACATATGAATAAA 1764
 DB 100722 TAGGCAACATACACAGAAATGAAGTAA 100751

RESULT 9

US-09-728-446-411

Sequence 411, Application US/09728446

Patent No. US20020081668A1

GENERAL INFORMATION:

APPLICANT: Friedrich, Gleon

APPLICANT: Zambowicz, Brian

APPLICANT: Sands, Arthur T.

TITLE OF INVENTION: No. US20020081668A1 Murine Polynucleotide Sequences

FILE REFERENCE: Lex-0101-USA

CURRENT APPLICATION NUMBER: US/09/728,446

CURRENT FILING DATE: 2000-11-30

PRIOR APPLICATION NUMBER: US 60/168,270

PRIOR FILING DATE: 1999-12-01

NUMBER OF SEQ ID NOS: 1461

SOFTWARE: FastSeq for Windows Version 4.0

SEQ ID NO 411

LENGTH: 331

TYPE: DNA

ORGANISM: Mus musculus

FEATURE:

NAME/KEY: misc_feature

LOCATION: (1)...(331)

OTHER INFORMATION: n = A,T,C or G

US-09-728-446-411

Query Match

Best Local Similarity 4.1%; Score 82.8; DB 10; Length 331;

Matches 140; Conservative 0; Mismatches 77; Indels 1; Gaps 1;

QY 1563 GATGGCTCAACAGTTTAGAGCAACGGCTGTTTTCAGAGGAGCCTAGGTTCAAGTCTGG 1622
 DB 114 GATGGCTCAGCAGTTTTCAGCAGGTGGATGCTGTTCCGAGAGACCTGAGTTTCAGTCCCG 173
 QY 1623 CACTCAGA-GGTGGCTCACAATCATCTGTGACTTTCAGTTCAGGAGGATCTGAAGAATCT 1681
 DB 174 CCCCCACATGGTGGCTCACAACCTTCAGTTCAGTTCCAGGAGATCTGGTGGCTGT 233
 QY 1682 TCTGGGTCCATGGGCATCACTACACTTGTTCATAGACATACATGCCAGCAATGA 1741
 DB 234 TCTGACATCTGCTGGCACCAGGTAGATATGTGTGTCACAGACGGGTATATATGACAGCAGTGC 293

QY 1742 TTGATCCATACATATGAATAAACCATAAAGCAAGAAAA 1779
 Db 294 ACCGTACACATAAATAAATAATTCGAAACTGGGAAAA 331

RESULT 10

US-10-175-523-97/c
 ; Sequence 97, Application US/10175523
 ; Publication No. US20030096264A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Brockman, Jeffrey
 ; APPLICANT: Evans, David
 ; APPLICANT: Hook, Derek
 ; APPLICANT: Klimczak, Leszek
 ; APPLICANT: Laeng, Pascal
 ; APPLICANT: Palfreyman, Michael
 ; APPLICANT: Rajan, Priithi
 ; TITLE OF INVENTION: MULTI-PARAMETER HIGH THROUGHPUT SCREENING ASSAYS (MPHTS)
 ; FILE REFERENCE: 3235/17795-US3
 ; CURRENT APPLICATION NUMBER: US/10/175,523
 ; CURRENT FILING DATE: 2002-06-18
 ; PRIOR APPLICATION NUMBER: US 60/299,151
 ; PRIOR FILING DATE: 2001-06-18
 ; PRIOR APPLICATION NUMBER: US 60/317,828
 ; PRIOR FILING DATE: 2001-09-07
 ; PRIOR APPLICATION NUMBER: US 60/325,150
 ; PRIOR FILING DATE: 2001-09-25
 ; PRIOR APPLICATION NUMBER: US 60/333,047
 ; PRIOR FILING DATE: 2001-11-14
 ; PRIOR APPLICATION NUMBER: US 60/349,936
 ; PRIOR FILING DATE: 2002-01-18
 ; PRIOR APPLICATION NUMBER: US 60/361,834
 ; PRIOR FILING DATE: 2002-03-04
 ; NUMBER OF SEQ ID NOS: 197
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 97
 ; TYPE: DNA
 ; ORGANISM: Mus musculus domesticus
 ; OTHER INFORMATION: Genbank Accession No. US20020119462A1 AT045440
 ; US-09-917-800A-625

Query Match 4.1%; Score 82.4; DB 9; Length 106664;
 Best Local Similarity 63.8%; Pred. No. 1e-08;
 Matches 157; Conservative 0; Mismatches 86; Indels 3; Gaps 2;
 QY 1563 GATGGCTCAACAGTTTAGAGCAAGCGCTGTTCTTCCAGAGGACCTAGTTCAAGTCCCTGG 1622
 Db 66043 GATGGCTTAGTGGTTAAGAGCACTAGTCTCTCCAGAGGACCTGATTCAATCCGAG 65984
 QY 1623 CACTCAGA-GGTGGCTCACAATCATCTGTGACTTTCAGTTCCAGGGGATCTCAAGAAATCT 1681
 Db 65983 CACCCATAGGAGTTAAACAACCTCTCTAATCCAGTTCCAGGAATCGACACCTTCT 65924
 QY 1682 TCTGGGCTCAGTGGCATCAACTACACACTTGGTTTCATAGACATACATGCGCAGAAATGA 1741
 Db 65923 TCTGGTTTCCATGAGCA--CTGCACACATGTGGTGCACACATACATGTTGGCAAAATG 65866
 QY 1742 TTGATCCATACATATGAATAAACCATAAAGCAAGAAAAAAGGAGTGGAGGAGGA 1801
 Db 65865 CCACACACATAAATAAATTTTAAACACATTTAAAGAAAGGTTCTTTTGATTCGAC 65806
 QY 1802 AAAAAA 1807
 Db 65805 CCAAAA 65800

RESULT 11

US-09-917-800A-625/c
 ; Sequence 625, Application US/09917800A
 ; Patent No. US20020119462A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Mendrick, Donna
 ; APPLICANT: Porter, Mark

; APPLICANT: Johnson, Kory
 ; APPLICANT: Castle, Arthur
 ; APPLICANT: Elashoff, Michael
 ; APPLICANT: Gene Logic, Inc.
 ; TITLE OF INVENTION: Molecular Toxicology Modeling
 ; FILE REFERENCE: 44921-5038-US
 ; CURRENT APPLICATION NUMBER: US/09/917,800A
 ; CURRENT FILING DATE: 2001-07-31
 ; PRIOR APPLICATION NUMBER: US 60/222,040
 ; PRIOR FILING DATE: 2000-07-31
 ; PRIOR APPLICATION NUMBER: US 60/222,880
 ; PRIOR FILING DATE: 2000-11-02
 ; PRIOR APPLICATION NUMBER: US 60/290,029
 ; PRIOR FILING DATE: 2001-05-11
 ; PRIOR APPLICATION NUMBER: US 60/290,645
 ; PRIOR FILING DATE: 2001-05-15
 ; PRIOR APPLICATION NUMBER: US 60/292,336
 ; PRIOR FILING DATE: 2001-05-22
 ; PRIOR APPLICATION NUMBER: US 60/295,798
 ; PRIOR FILING DATE: 2001-06-06
 ; PRIOR APPLICATION NUMBER: US 60/297,457
 ; PRIOR FILING DATE: 2001-06-13
 ; PRIOR APPLICATION NUMBER: US 60/298,884
 ; PRIOR FILING DATE: 2001-06-19
 ; PRIOR APPLICATION NUMBER: US 60/303,459
 ; PRIOR FILING DATE: 2001-07-09
 ; NUMBER OF SEQ ID NOS: 1740
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 625
 ; LENGTH: 396
 ; TYPE: DNA
 ; ORGANISM: Rattus norvegicus
 ; FEATURE:
 ; OTHER INFORMATION: Genbank Accession No. US20020119462A1 AT045440
 ; US-09-917-800A-625

Query Match 4.0%; Score 80.4; DB 10; Length 396;
 Best Local Similarity 62.1%; Pred. No. 1.2e-09;
 Matches 144; Conservative 0; Mismatches 86; Indels 2; Gaps 1;
 QY 1559 GAGAGATGGCTCAACAGTTTAGAGCAAGCGCTGTTCTTCCAGAGGACCTAGTTCAAGTC 1618
 Db 237 GGGAAATAGCTCATTTGTTTACGAGCACCGCTGCTCTCCAGGGTCCAGGCTTCTATTC 178
 QY 1619 CTGGCAGCTCAGA--GCTGGCTCACAATCATCTGTGACTTTCAGTTCCAGGGGATCTGAAGA 1676
 Db 177 CCAGCACCTAAGATGGCGCTCCCAAAATGTTTGCACACTCCAGTTCCAGGAGATCCAGTGC 118
 QY 1677 ATCTTCTGGGCTCCATGGGATCAACTACACACTTGGTTTCATAGACATACATGCCAGCA 1736
 Db 117 CCTGTTCTGACCCCTCAAGGGCACCAGGTACACAGGTGGCAGCACATACATACACAGCA 58
 QY 1737 AATGATTGATCCATACATATCAATAAACCATAAAGCAAGAAAAAAGGAA 1788
 Db 57 AAATATCTATATGATCAATAAATAATCTTTTAAAAATGGAAGAAAAA 6

RESULT 12

US-10-175-523-67
 ; Sequence 67, Application US/10175523
 ; Publication No. US20030096264A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Brockman, Jeffrey
 ; APPLICANT: Evans, David
 ; APPLICANT: Hook, Derek
 ; APPLICANT: Klimczak, Leszek
 ; APPLICANT: Laeng, Pascal
 ; APPLICANT: Palfreyman, Michael
 ; APPLICANT: Rajan, Priithi
 ; TITLE OF INVENTION: MULTI-PARAMETER HIGH THROUGHPUT SCREENING ASSAYS (MPHTS)
 ; FILE REFERENCE: 3235/17795-US3
 ; CURRENT APPLICATION NUMBER: US/10/175,523
 ; CURRENT FILING DATE: 2002-06-18

Tue Jun 17 12:27:06 2003

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; PRIOR APPLICATION NUMBER: US 60/299,151
; PRIOR FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: US 60/317,828
; PRIOR FILING DATE: 2001-09-07
; PRIOR APPLICATION NUMBER: US 60/325,150
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/333,047
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: US 60/349,936
; PRIOR FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: US 60/361,834
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 197
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 67
; LENGTH: 74868
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-175-523-67

Query Match
Best Local Similarity 61.9%; Pred. No. 9.9e-08; Length 74868;
Matches 140; Conservative 0; Mismatches 85; Indels 1; Gaps 1;

QY 1555 GATGGAGAGATGGCTCAACAGTTTAGAGCAACGGCTTCTTTCGAGAGGACCTAGGTTCA 1614
Db 1210 GCTAGAAAGATGACTCAGCTGTTTAAAGCATTTGGATGCTCTTCCAGGGGACTCGAGTTG 1269
QY 1615 AGTCTGGCACTCAGA-GGTGGCTCAACATCATCTGTGACTTCCAGGATCTCA 1673
Db 1270 GTTTCAGCATTCGCATGGTGACTTAGAACAATTCATCACTCCAGTTCTAGGGGATCTGA 1329
QY 1674 AGAATCTTCTGGCTCCATGGGCACTCACTGATGACTTCAATCAACCAAGAA 1779
Db 1330 TGCTCTCTCTGGCTCCATAGGTATTACCCATACGAGTGCACAGACACAGACATACAT 1389
QY 1734 GCAATGATTCATCATATATGAAATAAACCAACCAAGAA 1780
Db 1390 GCAGGCAAGACCCAGATACATGAAATACAAATTTATTTTAAAGA 1435

RESULT 13
US-10-026-188-3
; Sequence 3, Application US/10026188
; Patent No. US2002016465A1
; GENERAL INFORMATION:
; APPLICANT: Zuker, Charles S.
; APPLICANT: Zhang, Yifeng
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Assays for Taste Receptor Cell Specific
; TITLE OF INVENTION: Ion Channel
; FILE REFERENCE: 02307E-114910US
; CURRENT APPLICATION NUMBER: US/10/026,188
; CURRENT FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: US 60/259,379
; PRIOR FILING DATE: 2000-12-29
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 249487
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; OTHER INFORMATION: mouse genomic region containing ltrpc5
US-10-026-188-3

Query Match
Best Local Similarity 64.9%; Pred. No. 5.5e-07; Length 249487;
Matches 150; Conservative 0; Mismatches 68; Indels 13; Gaps 2;

QY 1555 GATGGAGAGATGGCTCAACAGTTTAGAGCAACGGCTTCTTTCGAGAGGACCTAGGTTCA 1614
Db 150113 CATAGAGCCATGACTCAATGACTTAGAGCACTGGCTGTTCTTCAAGGGGACCTGGATTC 150172

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QY 1615 AGTCTGGCACTCAGA-GGTGGCTCAACATCATCTGTGACTTCCAGGATCTCA 1673
Db 150173 TTTCCAGCACTCAACATGGCAGCTCACAACCACTGTAACTCCAGTTCAGGAGATCTCA 150232
QY 1674 AGAATCTTCTGGCTCCATGGGCACTCAACTACACACTTGGTTGATAGACATACATGCCA 1733
Db 150233 ACCTCTCATATGCGTTCATTGGCA-----CTGGTGTGCAGACATGTATGCGAG 150280
QY 1734 GCAATGATTCATTCATATGAAATAAACCAACCAAGAA 1780
Db 150281 ACAAAACACCTATATACATAAAATAGTTAAAAAATAATTAGGCAAAATAA 150331

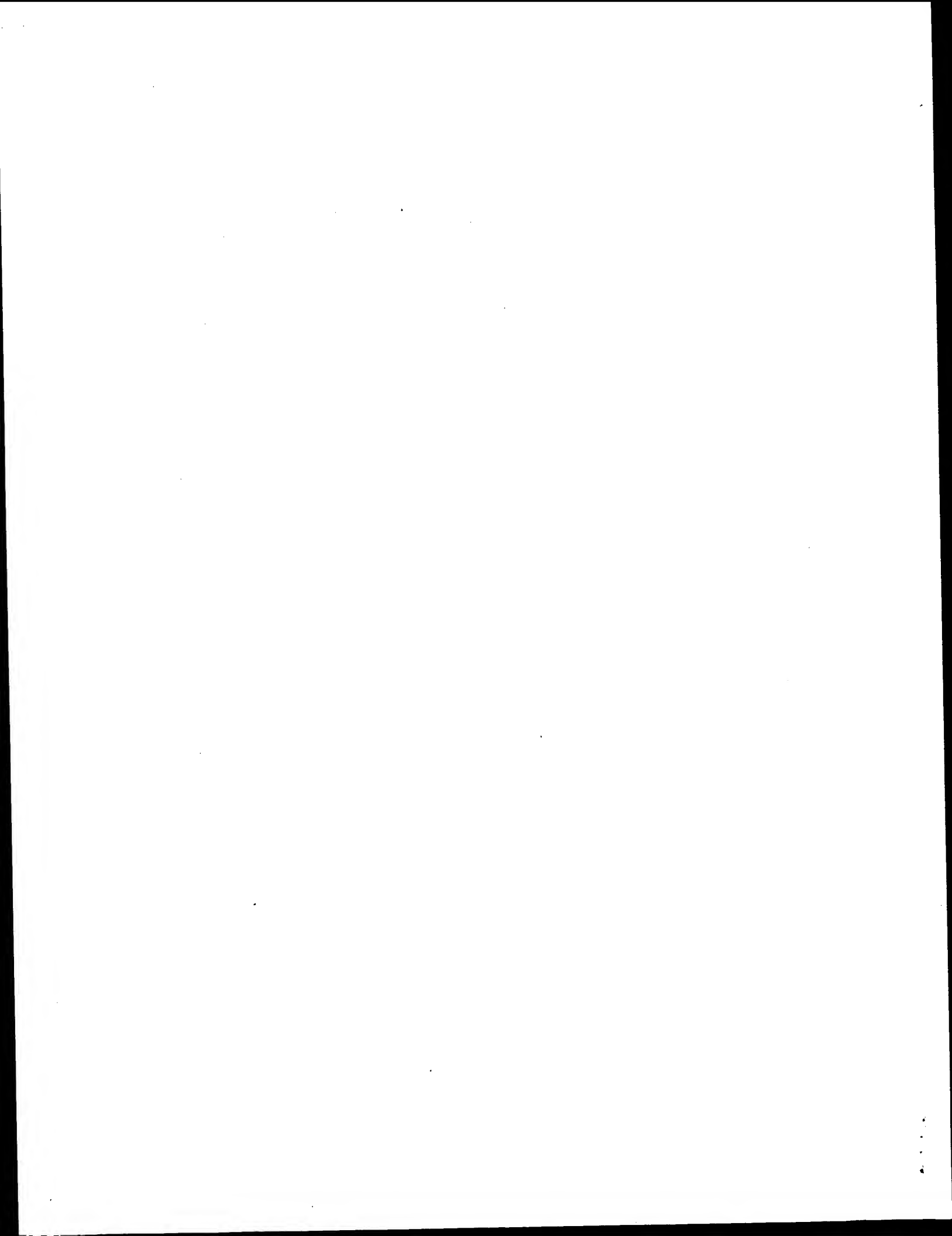
RESULT 14
US-10-175-523-87/c
; Sequence 87, Application US/10175523
; Publication No. US20030096264A1
; GENERAL INFORMATION:
; APPLICANT: Brockman, Jeffrey
; APPLICANT: Evans, David
; APPLICANT: Hook, Derek
; APPLICANT: Klimczak, Leszek
; APPLICANT: Laeng, Pascal
; APPLICANT: Palfreyman, Michael
; APPLICANT: Rajan, Prithi
; TITLE OF INVENTION: MULTI-PARAMETER HIGH THROUGHPUT SCREENING ASSAYS (MPHTS)
; FILE REFERENCE: 3235/1J795-US3
; CURRENT APPLICATION NUMBER: US/10/175,523
; CURRENT FILING DATE: 2002-06-18
; PRIOR APPLICATION NUMBER: US 60/299,151
; PRIOR FILING DATE: 2001-06-18
; PRIOR APPLICATION NUMBER: US 60/317,828
; PRIOR FILING DATE: 2001-09-07
; PRIOR APPLICATION NUMBER: US 60/325,150
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/333,047
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: US 60/349,936
; PRIOR FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: US 60/361,834
; PRIOR FILING DATE: 2002-03-04
; NUMBER OF SEQ ID NOS: 197
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 87
; LENGTH: 130427
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-175-523-87

Query Match
Best Local Similarity 60.1%; Pred. No. 1.5e-06; Length 130427;
Matches 140; Conservative 0; Mismatches 92; Indels 1; Gaps 1;

QY 1558 GGAGAGATGGCTCAACAGTTTAGAGCAACGGCTGTTTTCGAGAGGACCTAGGTTCAAGT 1617
Db 104622 GGTGAGATGACTCAATGGTTAAGATCACATTTCTGCTCTTTTCCAGGACTGGGGTTAGTT 104563
QY 1618 CCTGGCACTCAGGTTGGCTCACAATCATCTGTGACTTCCAGGATCTCCAGGATCTGAAGAA 1677
Db 104562 CTCTGCCACATA-GTGGCTTGAATTCCTGATTCGCGTTCCAGGAAATCTGACACC 104504
QY 1678 TTCTTCTGGCTCCATGGGCACTCACTACACATCTGTTGTTTCATAGACATACATGCCAGCA 1737
Db 104503 CTTTACTTCCCTCTTCAGACACAGCAATTCACAAAAGTGAACATGTAAGCATCTCGTAA 104444
QY 1738 ATGATTGATCCATACATATGAAATAAACCAACCAAGAA 1780
Db 104443 AACACTCATCCACATAAAATAATAATCTTAAAAAATAAACCAACCAAGAAAG 104391

RESULT 15
US-09-771-208-20

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

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(without alignments)
5794.976 Million cell updates/sec

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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	169	18.3	5470	2	US-08-443-861-1
2	169	18.3	5470	4	US-08-193-829B-1
3	154.6	16.7	5406	1	US-07-813-593-3
4	154.6	16.7	5406	1	US-07-977-451-5
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6	154.6	16.7	5406	1	US-08-252-517-5
7	154.6	16.7	5406	1	US-07-906-397A-5
8	154.6	16.7	5406	1	US-08-601-891-5
9	154.6	16.7	5406	2	US-09-021-324-5
10	154.6	16.7	5406	5	PCT-US92-02750-7
11	154.6	16.7	5406	5	PCT-US92-05401-5
12	154.6	16.7	5406	5	PCT-US92-09893-5
13	70.6	7.6	2264	1	US-08-232-538-16
14	40	4.3	1120	3	US-08-786-164-16
15	40	4.3	3937	3	US-08-586-165-1
16	40	4.3	7812	4	US-08-586-165-8
17	39	4.2	1026	1	US-09-368-590-1
18	39	4.2	1026	1	US-07-975-526-6
19	39	4.2	1026	4	US-07-974-409C-428
20	37.4	4.0	1053	6	5352575-6
21	36.6	4.0	1022	4	US-09-072-596-325
22	36	3.9	1641	1	US-08-385-229-1
23	36	3.9	1641	1	US-08-650-000-1
24	36	3.9	1641	6	5395760-1
25	36	3.9	2224	4	US-08-477-347-2
26	36	3.9	2224	4	US-08-476-862-1
27	36	3.9	3683	4	US-09-844-634-3

28 35.4 3.8 8438 1 US-07-945-283-1
29 35.4 3.8 4411529 4 US-09-103-840A-1
30 35 3.8 7898 4 US-08-984-709A-49
31 34.8 3.8 3564 4 US-09-347-878-15
32 34.6 3.7 2010 4 US-09-240-410-1
33 34.4 3.7 17606 4 US-08-943-731-4
34 34.2 3.7 1028 4 US-08-118-200-1
35 34.2 3.7 1028 4 US-08-458-745-1
36 33.6 3.6 4403765 4 US-09-103-840A-2
37 33.4 3.6 303 4 US-08-556-978B-82
38 33.4 3.6 3332 4 US-09-423-890-11
39 33.2 3.6 3978 3 US-08-726-214-1
40 33.2 3.6 17041 1 US-08-076-011-1
41 32.8 3.5 3486 4 US-09-438-906-1
42 32.8 3.5 3486 4 US-09-438-906-3
43 32.8 3.5 31571 1 US-08-323-443B-1
44 32.6 3.5 4403765 4 US-09-103-840A-2
45 32.4 3.5 2538 3 US-08-899-437-1

ALIGNMENTS

RESULT 1
US-08-443-861-1
; Sequence 1, Application US/08443861
; Patent No. 5851999
; GENERAL INFORMATION:
; APPLICANT: Ullrich, Axel
; APPLICANT: Risau, Werner
; APPLICANT: Millaue, Birgit
; APPLICANT: Gazit, Aviv
; APPLICANT: Levitzki, Alex
; TITLE OF INVENTION: Flk-1 Is A Receptor For Vascular
; ENDOTHELIAL GROWTH FACTOR
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/443,861
; FILING DATE: 22-MAY-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/193,829
; FILING DATE: 09-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-060
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)869-9741
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5470 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 286..4386

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Sequence 49, Appli
Sequence 15, Appli
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Sequence 2, Appli
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Sequence 3, Appli
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Sequence 2, Appli
Sequence 1, Appli


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COUNTRY: U.S.A.
ZIP: 10014
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/252,517
FILING DATE: 31-OCT-1994
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/977,451
FILING DATE: 19-NOV-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/906,397
FILING DATE: 26-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US PCT/US92/05401
FILING DATE: 26-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: TW 81102961
FILING DATE: 15-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US PCT/US92/02750
FILING DATE: 02-APR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/813,593
FILING DATE: 24-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/793,065
FILING DATE: 15-NOV-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/728,913
FILING DATE: 28-JUN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/679,666
FILING DATE: 02-APR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Felt, Irving N.
REGISTRATION NUMBER: 28,601
REFERENCE/DOCKET NUMBER: LEM-3-7P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-645-1405
TELEFAX: 212-645-2054
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 5406 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
FEATURE:
NAME/KEY: CDS
LOCATION: 208..4311
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 265..4308
FEATURE:
NAME/KEY: sig_peptide
LOCATION: 208..264
SI-08-252-517-5

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CLASSIFICATION:	536								
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FILING DATE:	24-DEC-1991								
PRIOR APPLICATION DATA:									
APPLICATION NUMBER:	US/07/793.065								
FILING DATE:	15-NOV-1991								
PRIOR APPLICATION DATA:									
APPLICATION NUMBER:	US/07/728.913								
FILING DATE:	28-JUN-1991								
PRIOR APPLICATION DATA:									
APPLICATION NUMBER:	US/07/679.666								
FILING DATE:	02-APR-1991								
ATTORNEY/AGENT INFORMATION:									
NAME:	Felt, Irving N.								
REGISTRATION NUMBER:	28.601								
REFERENCE/DOCKET NUMBER:	LEM-3-PPP								
TELECOMMUNICATION INFORMATION:									
TELEPHONE:	212-645-1405								
TELEFAX:	212-645-2054								
INFORMATION FOR SEQ ID NO:	3:								
SEQUENCE CHARACTERISTICS:									
LENGTH:	5406 base pairs								
TYPE:	NUCLEIC ACID								
STRANDEDNESS:	single								
TOPOLOGY:	linear								
MOLECULE TYPE:	cdna								
FEATURE:									
NAME/KEY:	CDS								
LOCATION:	208..4311								
FEATURE:									
NAME/KEY:	mat_peptide								
LOCATION:	208..4308								
US-07-946-507-3									
Query Match	16.7%	Score	154.6;	DB 1;	Length	5406;			
Best Local Similarity	96.2%;	Pred. No.	3.5e-32;						
Matches	201;	Conservative	0;	Mismatches	4;	Indels	4;	Gaps	4;
QY	718	CTGTGTC	CCGACGCGGATAACTCGCTG	ACCCGATTCCGCGGACACCGCTGCAGCGC	777				
Db	1	CTGTGTC	CCGACGCGC	-GGATACTGGCTGACCCGATTCCGCGGACACCGCTGCAGCGC	59				
QY	778	GGCTGGAGCCAGGCGCGGTCGCCCGCGCTCTCCCGGTCITGTGGCTGCGGGGCGCAT	837						
Db	60	GGCTGGAGCCAGGCGCGGTCGCCCGCGCTCTCCCGGTCITGTGGCTGCGGGGCGCAT	118						
QY	838	ACCGCCTCTGTGACTCTTTTGC	GGGCCACGACGAGAGGAGTCTGTGCCTTGAG-AACT	896					
Db	119	ACCGCCTCTGTGACTCTTTTGC	GGGCCACGACGAGAGGAGTCTGTGCCTTGAGAAACT	178					
QY	897	GGGCTCTGTGCCCA-GCGCGAGGTGCAGG	924						
Db	179	GGGCTCTGTGCCCA-GCGCGAGGTGCAGG	207						

RESULT 6
 US-08-252-517-5
 : Sequence 5, Application US/08252517
 : Patent No. 5548065
 :
 : GENERAL INFORMATION:
 :
 : APPLICANT: Lemischka, Ihor R.
 : TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
 : TITLE OF INVENTION: RECEPTORS AND THEIR LIGANDS
 :
 : NUMBER OF SEQUENCES: 10
 :
 : CORRESPONDENCE ADDRESS:
 : ADDRESSSEE: ImClone Systems Incorporated
 : STREET: 180 Varlock Street
 : CITY: New York
 : STATE: New York


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PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 07/679,666
FILING DATE: 02-APR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Feit, Irving N.
REGISTRATION NUMBER: 28,601
REFERENCE/DOCKET NUMBER: LEM-3-7P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-645-1405
TELEFAX: 212-645-2054
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 5406 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
FEATURE:
NAME/KEY: CDS
LOCATION: 208..4311
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 265..4308
FEATURE:
NAME/KEY: sig_peptide
LOCATION: 208..264
US-08-061-891-5

Query Match 16.7%; Score 154.6; DB 1; Length 5406;
Best Local Similarity 96.2%; Pred. No. 3.5e-32;
Matches 201; Conservative 0; Mismatches 4; Indels 4; Gaps 4;

QY 718 CTGTGTCCTCCCGAGCGGGATAACCTGGCTGACCCGATTCCGCGGACACCGCTGCGAGCGC 777
1 CTGTGTCCTCCCGAGCC -GGATAACCTGGCTGACCCGATTCCGCGGACACCCGCTGCGAGCGC 59

QY 778 GGCTGGAGCCAGGCGCGGTCGCCCGGCTCTCCCGGCTCTTGGCTGCGGGGCGCAT 837
60 GGCTGGAGCCAGGCGCGGTCG -CCCGGCTCTTCCCGGCTCTTGGCTGCGGGGCGCAT 118

QY 838 ACCGCTCTGTGACTTCTTTTGGCGCCAGGACGAGAGAGAGTCTGTGCTGTAG -AACT 896
119 ACCGCTCTGTGACTTCTTTTGGCGCCAGGACGAGAGAGAGTCTGTGCTGTAGAAACT 178

QY 897 GGGCTCTGTGCCCA -GGCGAGGTGCAGG 924
179 GGGCTCTGTGCCAGGCGCGAGGTGCAGG 207

RESULT 9
US-09-021-324-5
; Sequence 5, Application US/09021324
; Patent No. 5912133
; GENERAL INFORMATION:

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1  APPLICANT: Lemischka, Ihor R.
2  TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
3  TITLE OF INVENTION: RECEPTORS AND THEIR LIGANDS
4  TITLE OF INVENTION:
5  NUMBER OF SEQUENCES: 10
6  CORRESPONDENCE ADDRESS:
7  ADDRESSEE: ImClone Systems Incorporated
8  STREET: 180 Varick Street
9  CITY: New York
10 STATE: New York
11 COUNTRY: U.S.A.
12 ZIP: 10014
13 COMPUTER READABLE FORM:
14 MEDIUM TYPE: Floppy disk
15 COMPUTER: IBM PC compatible
16 OPERATING SYSTEM: PC-DOS/MS-DOS
17 SOFTWARE: PatentIn Release #1.0, Version #1.25
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Db 119 ACCGCTCTGTGACTTCTTTGGGGCCAGGAGGAGGAGTCTGTGCTGAGAAACT 178
QY 897 GGGCTCTGTGCCA-GCGCAGGTGCAGG 924
Db 179 GGGCTCTGTGCCAGGCCGCGAGGTGCAGG 207

RESULT 10

PCT-US92-02750-7
; Sequence 7, Application PC/TUS9202750
; GENERAL INFORMATION:

APPLICANT: LEMISCHKA, IHOR R.
TITLE OF INVENTION: Totipotent Hematopoietic Stem Cell
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: IMCLONE SYSTEMS INCORPORATED
STREET: 180 VARICK STREET
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: US
ZIP: 10014

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/02750
FILING DATE: 19920402
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: FEIT, IRVING N.
REGISTRATION NUMBER: 28,601
REFERENCE/DOCKET NUMBER: LEM-3-PPPT
TELEPHONE: 212-645-1405
TELEFAX: 212-645-2054

INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 5406 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 208..4311
NAME/KEY: mat_peptide
LOCATION: 208..4308
PCT-US92-02750-7

Query Match 16.7%; Score 154.6; DB 5; Length 5406;
Best Local Similarity 96.2%; Pred. No. 3.5e-32;
Matches 201; Conservative 0; Mismatches 4; Indels 4; Gaps 4;

QY 718 CTGTGTCGCGCAGCCGGGATAACCTGCTGACCCGATTCGCGGACACCGCTGCAGCCG 777
Db 1 CTGTGTCGCGCAGCC-GGATAACCTGCTGACCCGATTCGCGGACACCGCTGCAGCCG 59
QY 778 GGCTGAGCAGGCGCGGCTCTTTCGCGGCTCTCCCGGCTCTGCGCTGCGGGGCGCAT 837
Db 60 GGCTGAGCAGGCGCGGCTCTTTCGCGGCTCTCCCGGCTCTGCGCTGCGGGGCGCAT 118
QY 838 ACCGCTCTGTGACTTCTTTTCGCGGCGCAGGAGGAGTCTGTGCTGAG-AACT 896
Db 119 ACCGCTCTGTGACTTCTTTTCGCGGCGCAGGAGGAGTCTGTGCTGAG-AACT 896
QY 897 GGGCTCTGTGACTTCTTTTCGCGGCGCAGGAGGAGTCTGTGCTGAGAAACT 178
Db 179 GGGCTCTGTGACTTCTTTTCGCGGCGCAGGAGGAGTCTGTGCTGAGAAACT 178

RESULT 12
PCT-US92-09893-5
; Sequence 5, Application PC/TUS9209893
; GENERAL INFORMATION:
APPLICANT: Lemischka, Ihor R.

RESULT 11

PCT-US92-05401-5
; Sequence 5, Application PC/TUS9205401
; GENERAL INFORMATION:

APPLICANT: Lemischka, Ihor R.
TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: IMCLONE SYSTEMS INCORPORATED
STREET: 180 VARICK STREET
CITY: NEW YORK
STATE: NEW YORK
COUNTRY: U.S.A.
ZIP: 10014

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/05401
FILING DATE: 19920626
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Feit, Irving N.
REGISTRATION NUMBER: 28,601
REFERENCE/DOCKET NUMBER: LEM-3-PPPT
TELEPHONE: 212-645-1405
TELEFAX: 212-645-2054

INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 5406 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 208..4311
NAME/KEY: mat_peptide
LOCATION: 208..4308
PCT-US92-05401-5

Query Match 16.7%; Score 154.6; DB 5; Length 5406;
Best Local Similarity 96.2%; Pred. No. 3.5e-32;
Matches 201; Conservative 0; Mismatches 4; Indels 4; Gaps 4;

QY 718 CTGTGTCGCGCAGCCGGGATAACCTGCTGACCCGATTCGCGGACACCGCTGCAGCCG 777
Db 1 CTGTGTCGCGCAGCC-GGATAACCTGCTGACCCGATTCGCGGACACCGCTGCAGCCG 59
QY 778 GGCTGAGCAGGCGCGGCTCTTTCGCGGCTCTCCCGGCTCTGCGCTGCGGGGCGCAT 837
Db 60 GGCTGAGCAGGCGCGGCTCTTTCGCGGCTCTCCCGGCTCTGCGCTGCGGGGCGCAT 118
QY 838 ACCGCTCTGTGACTTCTTTTCGCGGCGCAGGAGGAGTCTGTGCTGAG-AACT 896
Db 119 ACCGCTCTGTGACTTCTTTTCGCGGCGCAGGAGGAGTCTGTGCTGAG-AACT 896
QY 897 GGGCTCTGTGACTTCTTTTCGCGGCGCAGGAGGAGTCTGTGCTGAGAAACT 178
Db 179 GGGCTCTGTGACTTCTTTTCGCGGCGCAGGAGGAGTCTGTGCTGAGAAACT 178

RESULT 12
PCT-US92-09893-5
; Sequence 5, Application PC/TUS9209893
; GENERAL INFORMATION:
APPLICANT: Lemischka, Ihor R.

us-09-445-201-1_copy_6036_6959.rni

Tue Jun 17 12:27:18 2003

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;
; TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
; TITLE OF INVENTION: RECEPTORS AND THEIR LIGANDS
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ImClone Systems Incorporated
; STREET: 180 Varick Street
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10014
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US92/09893
; FILING DATE: 19921116
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Feit, Irving N.
; REGISTRATION NUMBER: 28,601
; REFERENCE/DOCKET NUMBER: LEM-3-7PT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-645-1405
; TELEFAX: 212-645-2054
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5406 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 208..4311
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 265..4308
; FEATURE:
; NAME/KEY: sig_peptide
; LOCATION: 208..264
; PCT-US92-09893-5
;
; Query Match 16.7%; Score 154.6; DB 5; Length 5406;
; Best Local Similarity 96.2%; Pred. No. 3.5e-32;
; Matches 201; Conservative 0; Mismatches 4; Indels 4; Gaps 4;
;
; QY 718 CTGTGTCGGAGCGGCGGTCGCTGACCCGATTCGCGGACACCGCTGCAGCGC 777
; Db 1 CTGTGTCGGAGCGGCGGTCGCTGACCCGATTCGCGGACACCGCTGCAGCGC 59
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; QY 778 GGCTGGAGCCAGGCGGCGGTCGCTGACCCGATTCGCGGACACCGCTGCAGCGC 837
; Db 60 GGCTGGAGCCAGGCGGCGGTCGCTGACCCGATTCGCGGACACCGCTGCAGCGC 118
;
; QY 838 ACCGCCCTGTGTACTCTTTTCGGGCGCAGGACGAGTCTGTGCTGAG-AACT 896
; Db 119 ACCGCCCTGTGTACTCTTTTCGGGCGCAGGACGAGTCTGTGCTGAGAACT 178
;
; QY 897 GGGCTCTGTGCCA-GCCGAGGTGCAGG 924
; Db 179 GGGCTCTGTGCCAGGCGCGAGGTGCAGG 207
;
; RESULT 13
; US-08-232-538-16
; Sequence 16, Application US/08232538
; Patent No. 5712380
; GENERAL INFORMATION:
; APPLICANT: THOMAS, KENNETH A.
; APPLICANT: KENDALL, RICHARD L.
; TITLE OF INVENTION: INHIBITOR OF VASCULAR ENDOTHELIAL
; TITLE OF INVENTION: CELL GROWTH FACTOR
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000, 126 E. Lincoln Ave.
; CITY: Rahway
; STATE: NJ
;
; APPLICANT: Thomas, Kenneth A.
; APPLICANT: Kendall, Richard L.
; TITLE OF INVENTION: INHIBITOR OF VASCULAR ENDOTHELIAL CELL
; TITLE OF INVENTION: GROWTH FACTOR
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000 126 E. Lincoln Avenue
; CITY: Rahway
; STATE: NJ
; ZIP: 07065-0907
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232.538
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Wallen, John W.III
; REGISTRATION NUMBER: 35,403
; REFERENCE/DOCKET NUMBER: 188881A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908) 594-3905
; TELEFAX: (908) 594-4720
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2264 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-232-538-16
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; Query Match 7.6%; Score 70.6; DB 1; Length 2264;
; Best Local Similarity 63.9%; Pred. No. 9.3e-10;
; Matches 140; Conservative 0; Mismatches 74; Indels 5; Gaps 2;
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; QY 711 GCCGACACTGTGTCCGCGAGCGGCGGATACCTGGCTGACCCGATTCGCGGACACCGCTG 770
; Db 51 GCAGAAAGTCCGCTGTGCAGCGCTGATATCTCTCTACCGGACCGCGAGCGCCCTG 110
;
; QY 771 CAGCCGCGGCTGGAGCCAGGCGCGGTCGCCCGGCTCTCCCGGCTTTTTCGCTGCGG 830
; Db 111 CAGCCGCGGCTGGAGCCAGGCGCGGTCGCCCGGCTCTCTCTCTAGACAGCGCTGGGAGACCGG 170
;
; QY 831 G---GGCATACCGCTCTGTGACTTCTTTTGGGGCCAGGAGGAGGAGTCTGTG 886
; Db 171 GTGCGCGGAGTTCCACCTCCGCGCTCTTCTCTAGACAGCGCTGGGAGACCGG 230
;
; QY 887 CCTGAGAACH-GGCGCTCTGTGCCAGCGGAGGTGCAGG 924
; Db 231 CTCCCGAGTTCCGGCATTTCCCGCGGCTCGAGGTGCAGG 269
;
; RESULT 14
; US-08-786-164-16
; Sequence 16, Application US/08786164
; Patent No. 5861484
; GENERAL INFORMATION:
; APPLICANT: THOMAS, KENNETH A.
; APPLICANT: KENDALL, RICHARD L.
; TITLE OF INVENTION: INHIBITOR OF VASCULAR ENDOTHELIAL
; TITLE OF INVENTION: CELL GROWTH FACTOR
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000, 126 E. Lincoln Ave.
; CITY: Rahway
; STATE: NJ

```

COUNTRY: USA
ZIP: 07065-0900
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: Microsoft Word 6.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/786,164
FILING DATE: 21-JAN-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Mark Hand, J
REGISTRATION NUMBER: 36,545
REFERENCE/DOCKET NUMBER: 18888DA
TELECOMMUNICATION INFORMATION:
TELEPHONE: 908-594-3905
TELEFAX: 908-594-4720
TELEX:
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 2264 base pairs
TYPE: nucleic acid
STRADEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: Genomic DNA
US-08-786-164-16

Query Match 7.6%; Score 70.6; DB 2; Length 2264;
Best Local Similarity 63.9%; Pred. No. 9.3e10;
Matches 140; Conservative 0; Mismatches 74; Indels 5; Gaps 2;

QY 711 GCCAGACTGTCTCCCGCAGCGGGGATACCTGGTGACCGGATTCCCGCGACACCGCTG 770
Db 51 GCAGAAAGTCGCTGTGGCAGGCTGGATATCTCTACCGGACCGCGACACCGCTG 110
QY 771 CAGCGCGGCTGGAGCCAGCGCGGCTGCTCCCGGCTCTCCCGGCTCTTGGCGTTCGGG 830
Db 111 CAGCGCGGCTGGAGCCAGCGCGGCTGCTCCCGGCTCTTGGCGTTCGGG 170
QY 831 G----GCCATACCGCTCTGTGACTCTTTTGGCGGCGCAGGACGAGAGAGAGCTGTG 886
Db 171 GTGCGCGGAGGTTCACCTCCCGGCTCTTCTCTAGACAGCGCTGGGAGAAAGACCGG 230
QY 887 CCTGAGAACT--GGGCTCTGTGCCCGCAGCGGAGGTGCAGG 924
Db 231 CTCCCGAGTTCGGGCAATTTCGCCGCGCTCGAGGTGCAGG 269

RESULT 15

US-08-586-165-1/c
Sequence 1, Application US/08586165
Patent No. 6054298
GENERAL INFORMATION:
APPLICANT: Laufer, Edward M.
APPLICANT: Orozco, Olivia E.
APPLICANT: Tabin, Clifford J.
TITLE OF INVENTION: Fringe Proteins and Pattern Formation
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Militia Drive
CITY: Lexington
STATE: Massachusetts
COUNTRY: US
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/586,165
FILING DATE: 16-JAN-1996
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: HU95-05
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 861-6240
TELEFAX: (617) 861-9540
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1120 base pairs
TYPE: nucleic acid
STRADEDNESS: single
TOPOLOGY: linear
FEATURE:
NAME/KEY: CDS
LOCATION: Join(1..240, 244..474, 478..531, 538..579, 583
LOCATION: 678, 682..687, 691..807, 811..843, 850..870,
LOCATION: 874..990, 994..1056, 1060..1083, 1087..1104, 1108
US-08-586-165-1

Query Match 4.3%; Score 40; DB 3; Length 1120;
Best Local Similarity 51.7%; Pred. No. 0.12;
Matches 91; Conservative 0; Mismatches 85; Indels 0; Gaps 0;

QY 748 ACCCGATTCCCGGACACCGCTGCAGCGCGGCTGGAGCCAGGCGCGGTGCCCGCGC 807
Db 248 ACGGGTACCGGCGGACCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 189
QY 808 TCTCCCGGCTCTTGGCGCTGCGGGGCGCATACCGCTCTGTGACTTCTTTGCGGGCAG 867
Db 188 CGGCGAGTCTGCTCCCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 129
QY 868 GACGAGAGAGTCTGTGCTTGTGCTGAGAACTGGGCTCTGTGCGCCAGCGCGAGGTG 923
Db 128 CGGCG 73

Search completed: June 16, 2003, 13:59:53
Job time : 55.8991 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 16, 2003, 13:47:07 ; Search time 125.274 Seconds
(without alignments)
10680.673 Million cell updates/sec

Title: US-09-445-201-1_COPY_6036_6959

Perfect score: 924

Sequence: 1 gaagttcacacacgaatgt.....tgccagcgaggtgcagg 924

Scoring table:

IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 1029858 seqs, 724030393 residues

Total number of hits satisfying chosen parameters: 2059716

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published_Applications_NA:*

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- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
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- 10: /cgn2_6/ptodata/2/pubpna/US09_PUBCOMB.seq:*
- 11: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
- 12: /cgn2_6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
- 13: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq:*
- 14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	909.4	98.4	4487	10	US-09-738-968-32
2	169	18.3	5470	9	US-09-967-655-10
3	169	18.3	5470	10	US-09-967-655-10
4	154.6	16.7	5406	10	US-09-919-408-5
5	154.6	16.7	5406	10	US-09-872-136-5
6	110	11.9	1267	9	US-09-967-655-17
7	71.4	7.7	5830	9	US-09-967-655-3
8	37.6	4.1	2481	9	US-10-121-988-35
9	37.6	4.1	2481	9	US-10-121-988-35
10	37.6	4.1	2481	9	US-09-894-998-35
11	37.4	4.0	3066	9	US-10-121-988-152
12	37.2	4.0	4449	10	US-09-864-761-10271
13	36.8	4.0	40433	10	US-09-880-107-3327
14	36.8	4.0	1523	9	US-10-184-644-290
15	36.6	4.0	3784	9	US-09-764-891-10015
16	36.6	4.0	3784	9	US-09-764-891-10015
17	36.2	3.9	11103	9	US-10-094-240-23
18	36	3.9	1641	9	US-10-252-408-1
19	36	3.9	1641	10	US-09-758-124-1

c 20	36	3.9	2224	10	US-09-800-909-1	Sequence 1, Appli
c 21	36	3.9	2224	10	US-09-800-908-2	Sequence 2, Appli
c 22	36	3.9	3683	9	US-09-902-176A-49	Sequence 49, Appli
c 23	36	3.9	3683	9	US-09-902-176A-51	Sequence 51, Appli
c 24	36	3.9	3683	9	US-09-902-176A-53	Sequence 53, Appli
c 25	36	3.9	3683	9	US-09-954-456-1187	Sequence 1187, Ap
c 26	34.8	3.8	5035	10	US-10-171-581-173	Sequence 173, App
c 27	34.6	3.7	2010	10	US-09-764-587A-1	Sequence 1, Appli
c 28	34.6	3.7	2636	10	US-09-836-077-1	Sequence 1, Appli
c 29	34.6	3.7	3388	9	US-10-037-270-369	Sequence 369, App
c 30	34.6	3.7	4372	9	US-09-796-679-4	Sequence 4, Appli
c 31	34.6	3.7	5856	10	US-09-836-077-34	Sequence 34, Appli
c 32	34.6	3.7	7000	10	US-09-836-077-37	Sequence 37, Appli
c 33	34.6	3.7	7108	10	US-09-836-077-38	Sequence 38, Appli
c 34	34.6	3.7	7475	10	US-09-836-077-35	Sequence 35, Appli
c 35	34.6	3.7	8192	10	US-09-836-077-36	Sequence 36, Appli
c 36	34.4	3.7	471	9	US-09-918-995-26044	Sequence 26044, A
c 37	34.4	3.7	2793	9	US-10-007-271-3	Sequence 3, Appli
c 38	34.4	3.7	3282	9	US-10-007-271-1	Sequence 1, Appli
c 39	34.2	3.7	2236	9	US-09-978-295A-399	Sequence 399, App
c 40	34.2	3.7	2236	9	US-09-978-697-399	Sequence 399, App
c 41	34.2	3.7	2236	9	US-09-978-192A-399	Sequence 399, App
c 42	34.2	3.7	2236	9	US-09-999-832A-399	Sequence 399, App
c 43	34.2	3.7	2236	9	US-09-978-189-399	Sequence 399, App
c 44	34.2	3.7	2236	9	US-10-028-072-381	Sequence 381, App
c 45	34.2	3.7	2236	9	US-10-121-049-381	Sequence 381, App

ALIGNMENTS

RESULT 1

US-09-738-968-32
; Sequence 32, Application US/09738968
; Patent No. US20010037016A1

; GENERAL INFORMATION:
; APPLICANT: Contag, Pamela R.

; APPLICANT: Purchio, Anthony
; APPLICANT: Zhang, Ning

; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR SCREENING FOR ANGIOGENESIS
; TITLE OF INVENTION: MODULATING COMPOUNDS

; FILE REFERENCE: 9400-0012.20
; CURRENT APPLICATION NUMBER: US/09738,968

; CURRENT FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: 09/465,978

; PRIOR FILING DATE: 1999-12-16
; NUMBER OF SEQ ID NOS: 45

; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 32

; LENGTH: 4487
; TYPE: DNA

; ORGANISM: Mus sp.
US-09-738-968-32

Query Match

Best Local Similarity 98.4%; Score 909.4; DB 10; Length 4487;

Matches 921; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

QY	1	GAAGTTTCAACACCGAATGTCTTCTAGGGCTAATCAGGTAACCTCGGACGATTTAAAGTT	60
Db	3563	GGAGTTTCAACACCGAATGTCTTCTAGGGCTAATCAGGTAACCTCGGACGATTTAAAGTT	3622
QY	61	GCCAGATGGACGAGAAACAGTAGAGCGCTTGGCACTGGGATAGCGCCTATCTCTTAA	120
Db	3623	GCCAGATGGACGAGAAACAGTAGAGCGCTTGGCACTGGGATAGCGCCTATCTCTTAA	3682
QY	121	TTAAACATTCAGAGCGGGGGGATCGGTGGCCAAAGCACCATAAAACAAACTTCC	180
Db	3683	TTAAACATTCAGAGCGGGGGGATCGGTGGCCAAAGCACCATAAAACAAACTTCC	3742
QY	181	AAGTACTGACCAACTCACTGCAAGTTTGTGCCCGAGTACATCTAGGTTTCAGGGTTCTT	240
Db	3743	AAGTACTGACCAACTCACTGCAAGTTTGTGCCCGAGTACATCTAGGTTTCAGGGTTCTT	3801

Best Local Similarity 98.2%; Pred. No. 1.le-43;
Matches 213; Conservative 0; Mismatches 0; Indels 4; Gaps 4;

QY 711 GCCCAGACTGTGTCCCGCAGCGCGGATTAACCTGGCTGACCTCCCGGACACCGCTG 770
Db 70 GCCCAGACTGTGTCCCGCAGCGCGGATTAACCTGGCTGACCTCCCGGACACCGCTG 129
QY 771 -CAGCCCGGGCTGGAGCCAGCGCGGCTGCCCCCGCTCTCCCGGCTTTGCGGTGGGG 829
Db 130 ACAGCCCGGGCTGGAGCCAGCGCGGCTGCCCCCGCTCTCCCGGCTTTGCGGTGGGG 189
QY 830 GGGCCCATACCCCTCTGTGACTTTTTCGGGGCCAGGACCGAGAGAGTCTGTGCTT 889
Db 190 GGGC -CATACCCCTCTGTGACTTTTTCGGGGCCAGGACCGAGAGAGTCTGTGCTT 248
QY 890 GAG-ACTGGGCTCTGTGCCA-GCGCGAGGTGCAGG 924
Db 249 GAGAACTGGGCTCTGTGCCAAGGCGCGAGGTGCAGG 285

RESULT 3
US-09-766-678-1
; Sequence 1, Application US/09766678
; Patent No. US20020081650A1
; GENERAL INFORMATION:
; APPLICANT: Ullrich, Axel
; Risau, Werner
; Millauer, Birgit
; Gazit, Aviv
; Levitzki, Alex
; TITLE OF INVENTION: Flk-1 Is A Receptor For Vascular
; Endothelial Growth Factor
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/766,678
; FILING DATE: 25-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/193,829
; FILING DATE: 09-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-060
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)869-9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5470 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 286...4386
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-766-678-1

241 GTCTTCAATGCTCCCAACATGCGGGGGGATTTTGTGCTCCCTTGGGACTTTCAGTGCAGCGG 300
Db 3802 GTCTTCAATGCTCCCAACATGCGGGGGGATTTTGTGCTCCCTTGGGACTTTCAGTGCAGCGG 3861
QY 301 GAAGAGAGTCTGCACTTTCAGGCTCCTTAATGAGGGCGCAGTGGGCCCTCTGTCTTCTGCT 360
Db 3862 GAAGAGAGTCTGCACTTTCAGGCTCCTTAATGAGGGCGCAGTGGGCCCTCTGTCTTCTGCT 3921
QY 361 GATGCTTCCAGGTTGCTGGGGGAGCAAGTGTCTCAGAGCCCATTAAGTGGCTACATTTT 420
Db 3922 GATGCTTCCAGGTTGCTGGGGGAGCAAGTGTCTCAGAGCCCATTAAGTGGCTACATTTT 3981
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Db 3982 ACTTCACAGAAACCGAGCTCGCTCCAGATTGTCTCAGATGCGACTTGCAGCCCGCGC 4041
QY 481 ACAGTTCCGGGGTAGTGGGGGAGTGGGGCTGGGAAACCGGAAACCCAAACCTGGTATCC 540
Db 4042 ACAGTTCCGGGGTAGTGGGGGAGTGGGGCTGGGAAACCGGAAACCCAAACCTGGTATCC 4101
QY 541 AGTGGGGGGGCTGGCGGACGAGGAGTCCCGACCCCTCCCGGTAATGACCCCGCGCC 600
Db 4102 AGTGGGGGGGCTGGCGGACGAGGAGTCCCGACCCCTCCCGGTAATGACCCCGCGCC 4161
QY 601 ATTGCTAGTGTCTAGCCGGGCTCTCTTTCTGCCCTGAGTCTCAGGAGCCCAAGAG 660
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QY 661 TAAGCTGTGTTCTTAGATGCGCGGACCGCTACCGGACGAGTCCGAGCCCAAGAG 720
Db 4222 TAAGCTGTGTTCTTAGATGCGCGGACCGCTACCGGACGAGTCCGAGCCCAAGAG 4281
QY 721 TGTCCTCCAGCGGGATTAACCTGGCTGACCCGATTCGCGGACACCCCTGAGCCCGGCG 780
Db 4282 TGTCCTCCAGCGGGATTAACCTGGCTGACCCGATTCGCGGACACCCCTGAGCCCGGCG 4341
QY 781 TGGAGCCAGGCGCGGCTGCGCGGCTCTCCCGGCTTTCGCTGCGGGGCGCATACC 840
Db 4342 TGGAGCCAGGCGCGGCTGCGCGGCTCTCCCGGCTTTCGCTGCGGGGCGCATACC 4401
QY 841 GCCTCTGTGACTTCTTTCGGGGCCAGGAGGAGTCTGTGCTGTGAGACTGGG 900
Db 4402 GCCTCTGTGACTTCTTTCGGGGCCAGGAGGAGTCTGTGCTGTGAGACTGGG 4461
QY 901 TCTGTGCCAGCGCGAGTGCAG 923
Db 4462 TCTGTGCCAGCGCGAGTGCAG 4484

RESULT 2
US-09-967-655-10
; Sequence 10, Application US/09967655
; Publication No. US20030092649A1
; GENERAL INFORMATION:
; APPLICANT: C. Frank Bennett
; APPLICANT: Andrew T. Watt
; TITLE OF INVENTION: ANTISENSE MODULATION OF VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPTOR
; TITLE OF INVENTION: EXPRESSION
; FILE REFERENCE: RTS-0227
; CURRENT APPLICATION NUMBER: US/09/967,655
; CURRENT FILING DATE: 2001-09-28
; NUMBER OF SEQ ID NOS: 95
; SEQ ID NO 10
; LENGTH: 5470
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (286)...(4389)
US-09-967-655-10

Query Match 18.3%; Score 169; DB 9; Length 5470;

Query Match 18.3%; Score 169; DB 10; Length 5470;
 Best Local Similarity 98.2%; Pred. No. 1.1e-43;
 Matches 213; Conservative 0; Mismatches 0; Indels 4; Gaps 4;

QY 711 GCCCAGACTGTCCTCCGAGCGGGGATAACCTGGCTGACCCGATTCCGCGGACACCGCTG 770
 Db |||||||
 QY 70 GCCCAGACTGTCCTCCGAGCGGGGATAACCTGGCTGACCCGATTCCGCGGACACCGCTG 129
 Db |||||||
 QY 771 -CAGCGCGGCTGGAGCGCGCGCGCTGCTGACCTCTTTGGCGGACGAGAGGAGTCTGTGCCT 829
 Db |||||||
 QY 130 ACAGCGCGGCTGGAGCGCGCGCGCTGCTGACCTCTTTGGCGGACGAGAGGAGTCTGTGCCT 889
 Db |||||||
 QY 830 GGGCGCATACCGCTCTGTGACTCTTTGGCGGACGAGAGGAGTCTGTGCCT 248
 Db |||||||
 QY 190 GGGC-CATACCGCTCTGTGACTCTTTGGCGGACGAGAGGAGTCTGTGCCT 248
 Db |||||||
 QY 890 GAG-AACTGGGCTCTGTGCCA-GCGCGAGGTGCAGG 924
 Db |||||||
 QY 249 GAGAACTGGGCTCTGTGCCAGCGCGGAGGTGCAGG 285
 Db |||||||

RESULT 4

US-09-919-408-5
 ; Sequence 5, Application US/09919408
 ; Patent No. US20020072077A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lemischka, Ihor R.
 ; TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
 ; NUMBER OF SEQUENCES: 10
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: ImClone Systems Incorporated
 ; STREET: 180 Varick Street
 ; CITY: New York
 ; STATE: New York
 ; COUNTRY: U.S.A.
 ; ZIP: 10014

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/919,408
 FILING DATE: 31-Jul-2001
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 07/977,451
 FILING DATE: <Unknown>
 APPLICATION NUMBER: US 07/906,397
 FILING DATE: 26-JUN-1992
 APPLICATION NUMBER: US PCT/US92/05401
 FILING DATE: 26-JUN-1992
 APPLICATION NUMBER: TW 81102961
 FILING DATE: 15-APR-1992
 APPLICATION NUMBER: US PCT/US92/02750
 FILING DATE: 02-APR-1992
 APPLICATION NUMBER: US 07/813,593
 FILING DATE: 24-DEC-1991
 APPLICATION NUMBER: US 07/793,065
 FILING DATE: 15-NOV-1991
 APPLICATION NUMBER: US 07/728,913
 FILING DATE: 28-JUN-1991
 APPLICATION NUMBER: US 07/679,666
 FILING DATE: 02-APR-1991

ATTORNEY/AGENT INFORMATION:

NAME: Feit, Irving N.
 REGISTRATION NUMBER: 28,601
 REFERENCE/DOCKET NUMBER: LEM-3-7P
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 212-645-1405
 TELEFAX: 212-645-2054
 INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:
 LENGTH: 5406 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: cdna
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 FRAGMENT TYPE: N-terminal
 FEATURE:

NAME/KEY: CDS
 LOCATION: 208..4311
 FEATURE:
 NAME/KEY: mat_peptide
 LOCATION: 265..4308
 FEATURE:
 NAME/KEY: sig_peptide
 LOCATION: 208..264
 ; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
 US-09-919-408-5

Query Match

Best Local Similarity 16.7%; Score 154.6; DB 10; Length 5406;
 Matches 201; Conservative 0; Mismatches 4; Indels 4; Gaps 4;

QY 718 CTGTGTCCTCCGAGCGCGGATAACCTGGCTGACCCGATTCCGCGGACACCGCTGCAGCCG 777
 Db |||||||
 QY 1 CTGTGTCCTCCGAGCGCGGATAACCTGGCTGACCCGATTCCGCGGACACCGCTGCAGCCG 59
 Db |||||||
 QY 778 GGCTGAGCGCGCGCGCTGCTTTCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 837
 Db |||||||
 QY 60 GGCTGAGCGCGCGCGCTGCTTTCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 118
 Db |||||||
 QY 838 ACCGCTCTGTGACTTCTTTCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 896
 Db |||||||
 QY 119 ACCGCTCTGTGACTTCTTTCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 178
 Db |||||||
 QY 897 GGCTCTGTGCCA-GCGCGAGGTGCAGG 924
 Db |||||||
 QY 179 GGGCTCTGTGCCAGCGCGGAGGTGCAGG 207
 Db |||||||

RESULT 5

US-09-872-136-5
 ; Sequence 5, Application US/09872136
 ; Patent No. US20020119545A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lemischka, Ihor R.
 ; TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
 ; NUMBER OF SEQUENCES: 10
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: ImClone Systems Incorporated
 ; STREET: 180 Varick Street
 ; CITY: New York
 ; STATE: New York
 ; COUNTRY: U.S.A.
 ; ZIP: 10014

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/872,136
 FILING DATE: 01-Jun-2001
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/09/208,786
 FILING DATE: <Unknown>
 APPLICATION NUMBER: US/09/021,324
 FILING DATE: <Unknown>
 APPLICATION NUMBER: US/07/977,451

[illegible]

RESULT 6
US-09-961
; Sequenc
; Publica
; GENERA
APPT TO

Query Match

```

RESULT 9
US-09-894-998-35/c
; Sequence 35, Application US/09894998
; Patent No. US2002090610A1
; GENERAL INFORMATION:
; APPLICANT: Hosken, Nancy Ann
; APPLICANT: Craig H. Day
; APPLICANT: Davin C. Dillon
; APPLICANT: McGowan, Patrick
; APPLICANT: Sleath, Paul R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; TITLE OF INVENTION: TREATMENT OF HERPES SIMPLEX VIRUS INFECTION
; FILE REFERENCE: 210121.538
; CURRENT APPLICATION NUMBER: US/09/894,998
; CURRENT FILING DATE: 2001-06-28
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 35
; LENGTH: 2481
; TYPE: DNA
; ORGANISM: HSV-2
US-09-894-998-35

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	Query Match	4.1%	Score 37.6;	DB 10;	Length 2481;
	Best Local Similarity	44.9%;	Pred. No. 0.12;		
	Matches 186;	Conservative 0;	Mismatches 224;	Indels 4;	Gaps 1;
QY	487	CCGGGTAGTGGGGAGTGGCGTGGGAAACCCGGAAACCCAAACCTGGTATCCAGTGGG			
Db	1783	CGAGGAGGAGGAGGCGGGCGACCGCGCTGGGACACGGAGACGCCGACGGGGCG			546
QY	547	GGGCGGTGGCGGACGCAGGAGTCCCAACCCCTCCCGGTAAATGACCCCGCCCAATTCG			1724
Db	1723	CGCGCGCCCGCGACCGCGGGCGAGCGCCCGGTGCGCGCGTCCGCGAGTCCGAGTCCG			606
QY	607	TAGTGTGTAGCGGGCGCTCTTTCTGGCCCTGAGTCCCTCAGACACCCAGAGAGTAAGCT			1664
Db	1663	GGGCGCGCGCGGCGCCCGCCCTCTTGGCGCCCAACCCCTTGGGGGCGAGGGCGGACGCG			666
QY	667	GTGTTTCCTTAGATCGCGCGACCGCTACCGGCGAGGACTGAAGCCCGACACTGTGTCCC			1604
					726

us-09-445-201-1-copy_6036_6959.rnpb

Tue Jun 17 12:27:21 2003

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1603 GGGCGCGGAGGAGAGCGGAGGAGGAGCGCCCGGGGCGCGCTCT 1544
727 GCAGCCGGGATACCTGGCTGACCCGATTCGCGGACACCGCTGAGCGCGCTGAGC 786
1543 TCCGGGGGGGGCGCGCGCCCTCCGCGCGCTGGGGCGGCGACCGGGGGTGTGGTGC 1484
787 CAGGGCGCGCGTCCCGCGCTCTCCCGGTCTTGGCTCGCGGGGGCGCATACCGCTCT 846
1483 CGCGG-----GGGACCGCGGTCTCTCCCGCGCGCGCTCCCGACCGCGCGCTGC 1428
847 GTGACTTCTTTGGCGGCGAGGAGCGGAGAGGAGTCTGTGCTGAGAACTGGGC 900
1427 GTCGCGCTGCGCGCGCGGAGACTCTGTGCTTGGGTGTGCTGTGAGCTGGGTC 1374

RESULT 10
US-10-121-988-152/c
; Sequence 152, Application US/10121988
; Publication No. US20030068327A1
; GENERAL INFORMATION:
; APPLICANT: Hosken, Nancy Ann
; APPLICANT: McGowan, Patrick
; APPLICANT: Sleath, Paul R.
; APPLICANT: Mossman, Sally P.
; APPLICANT: Evans, Lawrence S.
; APPLICANT: Swanson, Ryan M.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; TITLE OF INVENTION: TREATMENT OF HERPES SIMPLEX VIRUS INFECTION
; FILE REFERENCE: 210121.538C1
; CURRENT APPLICATION NUMBER: US/10/121.988
; CURRENT FILING DATE: 2002-04-11
; NUMBER OF SEQ ID NOS: 183
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 152
; LENGTH: 3066
; TYPE: DNA
; ORGANISM: HSV2
US-10-121-988-152

Query Match 4.1%; Score 37.6; DB 9; Length 3066;
Best Local Similarity 44.9%; Pred. No. 0.13;
Matches 186; Conservative 0; Mismatches 224; Indels 4; Gaps 1;

QY 487 CCGGGGTAGTGGGGAGTGGGGTGGGAAACCGGAAACCTGTATCCAGTGGG 546
2368 CGGAGGAGGAGGAGGCGCGGCGGACCGCGGCTGGGACGACGAGCGCGGGGGG 2309
547 GGGCGTGGCGGAGCGAGGAGTCCCGACCGCTCCCGGTATGACCGCGCCCTTCCG 606
2308 CGGCGCGCGGAGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCG 2249
607 TAGTGTGTAGCGCGCGCTCTTTCTGCTGAGTCTCAGGACCGCGCGGCGGCGGCG 666
2248 GGGCGCGCGCGCGCGCGCGCTCTTGGCGCGCGCGCGCGCGCGCGCGCGCGCG 2189
667 GTGTTTCTTAGTTCGCGGAGCGCTACCGCGGAGGAGTGAAGCGGCGGCGGCGGCG 726
2188 GGGCGGCGGAGGAGCGGAGCGGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 2129
727 GCAGCGCGGATTAACCTGCTGACCGGATTCGCGGAGACCGCTGCGCGCGGCGGCGG 786
2128 TCCGGGGCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 2069
787 CAGGCGCGGCTGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 846
2068 CCGCG-----GGACCGCGGCTCTCTCCCGCGCGCGCGCGCGCGCGCGCGCGCG 2013
847 GTGACTTCTTTTCGCGGCGGAGGAGCGGAGGAGTCTGTGCTGAGAACTGGGC 900
2012 GTCGCGCTTTCGCGGCGGCGGAGACTCTGTGCTTGGGTGTGCTGTGAGCTGGGTC 1959

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RESULT 11
US-09-864-761-10271/c
; Sequence 10271, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aecmca-X-1
; CURRENT APPLICATION NUMBER: US/09/864.761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180.312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207.456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632.366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236.359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234.687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608.408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774.203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonmax Sequence Listing Engine vers. 1.1
; SEQ ID NO 10271
; LENGTH: 449
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC005973.2
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.68
; OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 0.75
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.78
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.68
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.8
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.63
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.77
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.77
US-09-864-761-10271

Query Match 4.0%; Score 37.4; DB 10; Length 449;
Best Local Similarity 57.1%; Pred. No. 0.076;
Matches 68; Conservative 0; Mismatches 51; Indels 0; Gaps 0;

QY 723 TCCCGCAGCGCGGATACCTGCTGACCGGATTCGCGGACACCGCTGAGCGCGCGCTG 782

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Db 235 TCACACGACTGGTCCCTTGGGACCGCTGCCCTTTCCCGGACTCCCGCGGGCTG 176
 QY 783 GAGCCAGGCGCGGCGCCCGGCTCTCCCGGCTTGGCTGGGGGCGCATACCG 841
 Db 175 GGCCCGCGCCCTTCTCTCTCCACTGCTGATGCTGGGAGCCAGTTCCG 117

RESULT 12

US-09-880-107-3327
 ; Sequence 3327, Application US/09880107
 ; Patent No. US20020142981A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Horne, Darcil T.
 ; APPLICANT: Vockley, Joseph G.
 ; APPLICANT: Scherf, Uwe
 ; APPLICANT: Gene Logic, Inc.
 ; TITLE OF INVENTION: Gene Expression Profiles in Liver Cancer
 ; FILE REFERENCE: 44921-5028-WO
 ; CURRENT APPLICATION NUMBER: US/09/880,107
 ; CURRENT FILING DATE: 2001-06-14
 ; PRIOR APPLICATION NUMBER: 2001-06-14
 ; PRIOR FILING DATE: 2000-06-14
 ; PRIOR APPLICATION NUMBER: US 60/237,054
 ; PRIOR FILING DATE: 2000-10-02
 ; NUMBER OF SEQ ID NOS: 3950
 ; SOFTWARE: Patent In Ver. 2.1
 ; SEQ ID NO 3327
 ; LENGTH: 40433
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; . OTHER INFORMATION: Genbank Accession No. US20020142981A1 U22376
 US-09-880-107-3327

Query Match
 Best Local Similarity 4.0%; Score 37.2; DB 10; Length 40433;
 Matches 72; Conservative 0; Mismatches 58; Indels 0; Gaps 0;
 QY 710 ACCCCAGACTGTGTCGCCGAGCGCGGATAACCTGGCTGACCGGATTCGCGGACACCGCT 769
 Db 1853 ACCGCGGAATGGAGCGCGACCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 1912
 QY 770 GACGCGCGGTGGAGCGGCGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 829
 Db 1913 ACCGCGGAGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 829
 QY 830 GGGCGCATAC 839
 Db 1973 GGGAGTGTC 1982

RESULT 13

US-10-184-644-290/c
 ; Sequence 290, Application US/10184644
 ; Publication No. US20030044930A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Chen, Jian
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Pan, James
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Watanabe, Colin K.
 ; APPLICANT: Wood, William I.
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; FILE REFERENCE: P3430R1C227
 ; CURRENT APPLICATION NUMBER: US/10/184,644
 ; CURRENT FILING DATE: 2002-06-28
 ; Prior Application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612
 ; SEQ ID NO 290
 ; LENGTH: 1523
 ; TYPE: PRT
 ; ORGANISM: Homo Sapien
 US-10-184-644-290

Query Match
 Best Local Similarity 4.0%; Score 36.8; DB 9; Length 1523;
 Matches 35; Conservative 132; Mismatches 308; Indels 0; Gaps 0;
 QY 429 CAGAAACCGAGCTGCGTCCAGATTGCTCTCAGATCGGACTTGCCTCCCGCGGACACATTC 488
 Db 850 S.SA.HN.SC..BSS.HNCD.A.BY.SY.CN.TDB..GY.YNRS...AS.DSKNS.ARNA 791
 QY 489 GGGGTAGTGGGAGTGGCGTGGAAACCGGAAACCCAAACCTGGTATCCAGTGGGG 548
 Db 790 .KS.SNNS.H..A.DY.TS..Y.BTA.DNC...R..ABHM.KCY..TY.CMNSGYBBA.KG 731
 QY 549 GCCTGGCGGACGACGAGGAGTCCCAACCCCTCCCGGTAAATGACCCCGCCCATTCGCTA 608
 Db 730 AG...GY.S..CSS..NCHGA.H..TBH.....M...M.GY.NCSB.YYMY.WMC.WT. 671
 QY 609 GTGTAGTGGCGGCTCTCTTTCTGCTGAGTCTCAGGACCCCAAGAGTAACTGCTGCT 668
 Db 670 DGNM..NS..N.AS.SB.AA.TC.A.AA.YNHR.S..YBSS.CT.AHNSBGS..NSY.K 611
 QY 669 GTTCTTAGATCGCGGACCGCTACCCGCGGAGACTGAAAGCCAGACTGTGCTCCGC 728
 Db 610 .AM.CS.CY.BYCDBA...NCA.K...BSTTCH.TC.YB.M.MNS.N.MY.N..MM..C 551
 QY 729 AGCCGGGATAACCTGGCTGACCCGATTCGCGGACACCGCTGCGGCGGCGGCTGGAGCCA 788
 Db 550 AT...BSB.NHN.Y.HABR...DS..YB.M.NSGHB.AC.GYGM..GB.HK.G.SS.YSYR 491
 QY 789 GGGCGCGGCTGCGCGGCTCTCCCGCTTTCGCTGCGGCGGCGGCGGCGGCGGCGGCTGT 848
 Db 490 H.SCSGY.MMSM..S.YMNT.YY.SSGYTCSA...NH...RHT.WM.DHGB..N.T.D.A 431
 QY 849 CACTTCTTTCCGCGGCGGAGGAGGAGTCTGTGCTGAGAACTGGGCTCT 903
 Db 430 ..S...T..CMS.A..MNHRS..N.N..H..ANBY.GN.MNTN.....SB.CH 376

RESULT 14

US-10-184-634-290/c
 ; Sequence 290, Application US/10184634
 ; Publication No. US20030068684A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Chen, Jian
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Gurney, Austin L.
 ; APPLICANT: Pan, James
 ; APPLICANT: Smith, Victoria
 ; APPLICANT: Watanabe, Colin K.
 ; APPLICANT: Wood, William I.
 ; APPLICANT: Zhang, Zemin
 ; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
 ; FILE REFERENCE: P3430R1C217
 ; CURRENT APPLICATION NUMBER: US/10/184,634
 ; CURRENT FILING DATE: 2002-06-28
 ; Prior Application removed - See File Wrapper or Palm
 ; NUMBER OF SEQ ID NOS: 612
 ; SEQ ID NO 290
 ; LENGTH: 1523
 ; TYPE: PRT
 ; ORGANISM: Homo Sapien
 US-10-184-634-290

Query Match	4.0%;	Score 36.8;	DB 9;	Length 1523;	
Best Local Similarity	7.4%;	Pred. No. 0.18;			
Matches	35;	Conservative 132;	Mismatches 308;	Indels 0;	Gaps 0;
429	QY	CAGAAACCGAGTGGCGTCCAGATTTGGCTCTCAGATCGACATTCGCCCGCCGGCACACTTCC	488		
850	Db	S.SA.HN.SC..BSS.HNCD.A.BY.SY.CN.TDB..GY.YNRS..AS.DSKNS.ARNA	791		
489	QY	GGGTTAGTGGGGAGTGGCGTGGGAAACCGGAAACCCAAACCTGGTATCCAGTGGGG	548		
790	Db	KS.SNNS.H..A.DF.TS..Y.BTA.DNC..R..ABHM.KCY..TY.CMNSGYBBA.KG	731		
549	QY	GGCTGCCGGAGCAGGGAGTCCCCACCCCTCCCGTAATGACCCCGCCGCCCATTCGCTA	608		
730	Db	AG...GY.S..GSS..NCHCA.H..TBH....M....M.GY.NCSB.YTMY.WMC.WT..	671		
609	QY	GTGTGAGCGGCGCTCTCTTTTGCCTCCTCAGGACCTCAGGACCCCAAGAGAGTAAGTGT	668		
670	Db	DGNGN..NS..N.AS.SB.AA.TC.AA.YNHR.S..YBSS.CT.AHNSBGS..NSY.K	611		
669	QY	GTTTCTCTTAGATCGCGCGGACCGCTACCCGGCAGGACTGAAGCCACACTGTGTCCCG	728		
610	Db	AM.CS.CY.BYCDBA...NCA.K...BSTTCH.TC.YB.M.MNNS.N.MY.N..MM..C	551		
729	QY	AGCCGGGATACCTGGCTGACCCGATTCGCCGGACACGCTGTGACGCGCGCTCGAGCCA	788		
550	Db	AT..BSB.NHN.Y.HABR...DS..YB.M.NSGHB.AC.GYGM..GB.HK.C.SS.YSYR	491		
789	QY	GGCGCGGCTGCCCGCGCTCTCCCGGTCTTTGGCTCGGGGGGCATACGCCCTCTGT	848		
490	Db	H.SCSGY.MMSM..S.YMNT.VY.SSGYTCSA...NH..RHT.WM.DGHB..N.T.D.A	431		
849	QY	GACTTCTTTGGGGCCGAGGAGGAGGAGTCTGTGCCTCGAGAAGTGGGCTCT	903		
430	Db	..S...T..CMS.A..MMHR.S..N.N.H..ANBY.GN.MNTN.....SB..CH	376		

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RESULT 15
US-09-764-891-10015
; Sequence 10015, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764.891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 10015
; LENGTH: 3784
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-10015

Query Match          4.0%; Score 36.6; DB 9; Length 3784;
Best Local Similarity 47.7%; Pred. No. 0.29;
Matches 137; Conservative 0; Mismatches 149; Indels 1; Gaps 1;

QY      618  CGCGCGTCTCTTTCTCCCTGAGTCTCTCAGGACCCCAAGAGAGTAGCTGTCTTCCCTTA 677
        ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      2658  CGGGGCTAGACGGCTGACCTGGCTATACAGGGTTCCAGGGAGCGGGTCTCTGGAGCCTGA 2717

QY      678  GATCGGCGGACCGCTACCGCGGACGACTGAAGCCACAGACTGTGTCGCCGACGCCGGGAT 737
        ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      2718  GAACGTGGGTGCAGTCAGCCACGCCCGGCCCTGCGCCTGCGCACTCCCGGTCCCAACGCC 2777

QY      738  AACTGGCTACCCGATTTCGCGGACACCCGCTGCAGCGCGGTGTGGAGCCAGCGGCCCG 797
        ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db      2778  CTCCTGGCTCACTGGTTTCAACGACGCCCTCCAC -CACGCTCCAGGGGCTGTCTCTGCGCG 2836

QY      798  TGCCCCCGGCTCTCCCGGCTTTCGCTGCGGGGGCGCATACCGCCTCTCTGTGACTTCTTT 857

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OM nucleic - nucleic search, using sw model

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(without alignments)
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Perfect score: 2349
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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6: /cgn2_6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	47.6	2.0	7218	1	US-08-232-463-14
2	45.6	1.9	51259	3	US-08-781-891-209
3	43.2	1.8	152331	3	US-09-128-155-16
4	42.2	1.8	14507	3	US-08-785-150-1
5	42.2	1.8	14507	4	US-09-660-299-1
6	42.2	1.8	14507	4	US-09-435-377-1
7	42	1.8	65042	4	US-09-784-316-3
8	41.8	1.8	1751	4	US-09-149-476-110
9	41.4	1.8	84495	4	US-09-797-906-3
10	40.8	1.7	152331	3	US-09-128-155-16
11	40.4	1.7	8133	4	US-09-227-357-32
12	40.4	1.7	8133	4	US-09-659-791A-10
13	40.4	1.7	176373	3	US-09-128-155-17
14	40.2	1.7	380	1	US-08-126-587C-5
15	40	1.7	1920	1	US-08-087-772A-1
16	40	1.7	3437	4	US-08-450-962-3
17	39.8	1.7	169998	4	US-09-676-610B-24
18	39.6	1.7	246240	2	US-08-724-394A-20
19	39.6	1.7	246240	2	US-08-724-394A-21
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21	39.4	1.7	2880	4	US-09-115-954-3
22	39.4	1.7	3842	4	US-09-115-954-7
23	39.4	1.7	3912	4	US-09-115-954-1
24	39.2	1.7	11725	2	US-08-756-506-1
25	39.2	1.7	17041	1	US-08-076-011-1
26	39.2	1.7	37950	4	US-09-338-907-183
27	39.2	1.7	37950	4	US-09-218-207-183
28	39	1.7	35060	3	US-08-814-095-7
29	39	1.7	59065	4	US-09-813-817-3
30	39	1.7	59065	4	US-09-813-817-3
31	38.6	1.6	2017	4	US-09-978-197-3
32	38.6	1.6	2908	3	US-09-436-983-1
33	38.6	1.6	2908	3	US-08-487-799-1
34	38.6	1.6	6769	1	US-08-480-784-20
35	38.6	1.6	6769	1	US-08-483-553-20
36	38.6	1.6	6769	1	US-08-487-002-20
37	38.6	1.6	6769	1	US-08-483-554B-20
38	38.6	1.6	6769	1	US-08-488-011B-20
39	38.6	1.6	6769	4	US-08-850-727-20
40	38.6	1.6	6769	5	PCT-US95-10202-20
41	38.6	1.6	6769	5	PCT-US95-10203-20
42	38.6	1.6	6769	5	PCT-US95-10220-20
43	38.6	1.6	14796	4	US-08-975-080-35
44	38.6	1.6	14796	4	US-09-630-706-10
45	38.4	1.6	501	3	US-09-496-694B-3
					US-08-699-628-1

ALIGNMENTS

RESULT 1
US-08-232-463-14
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMM
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: pt2gpt-F1s
US-08-232-463-14

Query Match

2.0%; Score 47.6; DB 1; Length 7218;

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SEQUENCE CHARACTERISTICS:
LENGTH: 51259 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-781-891-209

Query Match
Best Local Similarity 62.1%; Score 45.6; DB 3; Length 51259;
Matches 72; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

QY 1368 TATTAAATTAGTATTCTCTCTTGAGACAGAGTCTCACTGTGTGCCCAGGCTAGTCT 1427
Db 23743 TTTTACTTTTATTCTTTTTTTAGACAGGGTCTCACTGTGTAGCTGGGACAAGCT 23802

QY 1428 CAAACTTGGGTGCATTGTCTCACTCATCAGAAATGCTGGGCTTCCAGGTGTGTGC 1483
Db 23803 CCACCCTGTGCCCTTTTCCCTCACCTCTCTGAGTGTGGGATCACAGGCTGTGC 23858

RESULT 3
US-09-128-155-16
Sequence 16, Application US/09128155
Patent No. 6117654
GENERAL INFORMATION:
APPLICANT: Pan, Yang
TITLE OF INVENTION: NOVEL MOLECULES OF TANGO-77 RELATED PROTEIN FAMILY
TITLE OF INVENTION: AND USES THEREOF
FILE REFERENCE: 09404/052001
CURRENT APPLICATION NUMBER: US/09/128,155
CURRENT FILING DATE: 1998-08-03
EARLIER APPLICATION NUMBER: US 60/091,650
EARLIER FILING DATE: 1998-07-02
EARLIER APPLICATION NUMBER: US 60/054,646
EARLIER FILING DATE: 1997-08-04
NUMBER OF SEQ ID NOS: 18
SOFTWARE: FastSeq for Windows version 3.0
SEQ ID NO 16
LENGTH: 152331
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
LOCATION: (1)..(152331)
OTHER INFORMATION: n = A,T,C or G
US-09-128-155-16

Query Match
Best Local Similarity 1.8%; Score 43.2; DB 3; Length 152331;
Matches 66; Conservative 0; Mismatches 38; Indels 0; Gaps 0;

QY 1337 TGGCAATTAGAAACCCCTGGAGCTGCCTGCTATTAAATTAGTATTCTCTCTGTAGA 1396
Db 142531 TGCATGCTACAGCCCTGGCTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCGGTAGAGA 14259

QY 1397 CAGAGTCTCACTGTGTGGCCAGGCTAGCTCAAACTTGCAGTC 1440
Db 142591 CTGGGTCCTCTGTATTGCCAGGCTAGCTCGAAACTCCTGGC 142634

RESULT 4
US-08-785-150-1
Sequence 1, Application US/08785150
Patent No. 6027915
GENERAL INFORMATION:
APPLICANT: Morris, Arvia E.
APPLICANT: Lee, Chi-Chang
APPLICANT: Thomas, James N.
TITLE OF INVENTION: Expression Augmenting Sequence Elements
Patent No. 6027915
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation

```

[illegible]

STREET: 51 University Street
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Apple Macintosh
OPERATING SYSTEM: Apple Operating
SOFTWARE: Microsoft Word for Mac
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/785,150
FILING DATE:

PRIOR APPLICATION DATA: US/08/586,509
FILING DATE: 11-JAN-96
ATTORNEY/AGENT INFORMATION:

NAME: Perkins, Patricia Anne
REGISTRATION NUMBER: 34,693
REFERENCE/DOCKET NUMBER: 2841
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 587-0430
TELEFAX: (206) 233-0644

INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 14507 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: NO. 6027915 Relevant
 MOLECULE TYPE: DNA (genomic)
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Chinese hamster
 IMMEDIATE SOURCE:
 CLONE: 2A5-3 lambda CHO sequence
 US-08-785-150-1

Query Match	1.8%	Score 4
Best Local Similarity	59.9%	Pred. N
Matches	88;	Conservative
		0; Mismatch
US-08-785-150-1		
2A5-3 lambda CHO sequence		
QY	1364	CTGCTATTAAATTAGTTATTCCTCTCTCTTT
Db	146	
QY	1424	GAGCCAGAGATTGTTTGTCTTTTGTGTTT
Db	206	
QY	1483	GTCTCAAACHT-TGCGGTGCCAATTTTGCT
Db	266	
QY		TCCAGGAACCTCAGAGATCCACCTGCCTCT
Db		
QY		CACCACACTAGGTAGCTCCCGGTTTAA
Db		
QY		CTGACTACAGGCAAGCTCTTTTGTGTTTA
Db		

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RESULT 5
US-09-660-299-1
: Sequence 1. Application US/09660299
: Patent No. 6309841
: GENERAL INFORMATION:
: APPLICANT: Morris, Arvia E.
: APPLICANT: Lee, Chi-Chang
: APPLICANT: Thomas, James N.
: TITLE OF INVENTION: Expression A
: Patent No. 6309841
: NUMBER OF SEQUENCES: 1
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Immunex Corporation
: STREET: 51 University Street
: CITY: Seattle
: STATE: WA
: COUNTRY: USA

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ZIP: 98101
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: Apple Macintosh
 OPERATING SYSTEM: Apple Operating System Software 7.1
 SOFTWARE: Microsoft Word for Macintosh, Version 5.1a
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/660,299
 FILING DATE:

CLASSIFICATION:
PRIORITY DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/586,509
FILING DATE:
ATTORNEY/AGENT INFORMATION:

NAME: Perkins, Patricia Anne
REGISTRATION NUMBER: 34, 693
REFERENCE/DOCKET NUMBER: 2841
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206)587-0430
TELEFAX: (206)233-0644
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 14507 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: NO, 6303841 relevant
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Chinese hamster
IMMEDIATE SOURCE:
CLONE: 2A5-3 lambda CHO sequence
US-09-6606-299-1

Query Match	1.8%	Score 4
Best Local Similarity	59.9%	Pred. N
Matches	88; Conservative	0; Mismatches
QY 1364	CTGCTATTAAATAGTTATTCTTCTCTTTT	
Db 146	CAGCCAGATTTGTGTTTCTTTTGTGTTT	
QY 1424	GTCTCAAACCT-TGCGGTCCATTTTTGCTCT	
Db 206	TCCAGGAACCTCAGAGATCCACACTGCCTCT	
QY 1483	CACCACACTAGGTAGTTCGCGGTTTTTAA	
Db 266	CTGACTACAGGCAGAGTCTGTTTGTGTTTA	

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RESULT 6
US-09-435-377-1
; Sequence 1: Application US/09435377
; Patent No. 6312951
; GENERAL INVENTION:
; APPLICANT: Morris, Arvia E.
; APPLICANT: Lee, Chi-Chang
; APPLICANT: Thomas, James N.
; TITLE OF INVENTION: Expression Augmenting Sequence Elements
; Patent No. 6312951
; NUMBER OF SEQUENCES: 1
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Apple Macintosh

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us-09-445-201-1_copy_8260_10608.rni

Tue Jun 17 12:27:51 2003

OPERATING SYSTEM: Apple Operating System Software 7.1
 SOFTWARE: Microsoft Word for Macintosh, Version 5.1a
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/435,377
 FILING DATE:

CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/08/586,509
 FILING DATE: 11 JAN 96

ATTORNEY/AGENT INFORMATION:
 NAME: Perkins, Patricia Anne
 REGISTRATION NUMBER: 34,693
 REFERENCE/DOCKET NUMBER: 2841
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206)587-0430
 TELEFAX: (206)233-0644

INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 14507 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: No. 6312951 Relevant
 MOLECULE TYPE: DNA (genomic)
 HYPOTHETICAL: NO
 ANTI-SENSE: NO
 ORIGINAL SOURCE:
 ORGANISM: Chinese hamster
 IMMEDIATE SOURCE:
 CLONE: 2A5-3 lambda CHO sequence

US-09-435-377-1

Query Match 1.8%; Score 42.2; DB 4; Length 14507;
 Best Local Similarity 59.9%; Pred. No. 0.072; Indels 1; Gaps 1;
 Matches 88; Conservative 0; Mismatches 58

1364 CTGCTATTATAGTTATTTCTCTCTGACAGAGTCTCAGTGTGGCCAGGCTA 1423

146 CAGCCAGATTCTCTGTTTTCGAGAAAGGGTTCTCTGTAGCCCTGTG 205

1424 GTCTCAACT-TGGGTGTCATTGTCTCACTCATCAGAAATGCGGCTTCCAGGTGTG 1482

206 TCCAGGAACACAGATCCACCTGCTCTCTCTGAGTCTGCGGATTAAAGGTGTG 265

1483 CACCACACTAGTAGTCCGGTGTAA 1509

266 CTGACTACAGCAAGCTTGTGTGTTA 292

US-09-784-316-3

Sequence 3, Application US/09784316
 Patent No. 6461843
 GENERAL INFORMATION:
 APPLICANT: Wei, Ming-Hui et al.
 TITLE OF INVENTION: ISOLATED HUMAN ENZYME PROTEINS, NUCLEIC
 ACID MOLECULES ENCODING HUMAN ENZYME PROTEINS, AND USES
 THEREOF
 TITLE OF INVENTION: THEREOF
 FILE REFERENCE: CLO01139
 CURRENT APPLICATION NUMBER: US/09/784,316
 CURRENT FILING DATE: 2001-02-16
 NUMBER OF SEQ ID NOS: 5
 SOFTWARE: FastSeq for Windows Version 4.0
 SEQ ID NO 3
 LENGTH: 65042
 TYPE: DNA
 ORGANISM: Human
 FEATURE:
 NAME/KEY: misc_feature
 LOCATION: (1)...(65042)
 OTHER INFORMATION: n = A,T,C or G
 US-09-784-316-3

Query Match 1.8%; Score 42; DB 4; Length 65042;

US-09-445-201-1_copy_8260_10608.rni

Best Local Similarity 73.0%; Pred. No. 0.2; Indels 20; Gaps 0;
 Matches 54; Conservative 0; Mismatches 20

1367 CTATTAAATAGTTATTTCTCTCTGACAGAGTCTCAGTGTGGCCAGGCTAGTC 1426

34302 CTTTTTTTTTTTTTTTTTTATAGAGACGAGTCTCACCGTGTGCGCCAGGCTGTC 34361

1427 TCAAACTTGGGTC 1440

34362 TCAAACTCTCTGGGC 34375

US-09-149-476-110/c

Sequence 110, Application US/09149476
 Patent No. 6420526
 GENERAL INFORMATION:
 APPLICANT: Rosen et al.
 TITLE OF INVENTION: 186 Human Secreted proteins
 FILE REFERENCE: P2002P1
 CURRENT APPLICATION NUMBER: US/09/149,476
 CURRENT FILING DATE: 1998-09-08
 EARLIER APPLICATION NUMBER: PCT/US98/04493
 EARLIER FILING DATE: 1998-03-06
 EARLIER APPLICATION NUMBER: 60/040,162
 EARLIER FILING DATE: 1997-03-07
 EARLIER APPLICATION NUMBER: 60/040,333
 EARLIER FILING DATE: 1997-03-07
 EARLIER APPLICATION NUMBER: 60/038,621
 EARLIER FILING DATE: 1997-03-07
 EARLIER APPLICATION NUMBER: 60/040,626
 EARLIER FILING DATE: 1997-03-07
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 EARLIER FILING DATE: 1997-03-07
 EARLIER APPLICATION NUMBER: 60/040,163
 EARLIER FILING DATE: 1997-03-07
 EARLIER APPLICATION NUMBER: 60/047,600
 EARLIER FILING DATE: 1997-05-23
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 EARLIER FILING DATE: 1997-05-23
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 EARLIER APPLICATION NUMBER: 60/047,613
 EARLIER FILING DATE: 1997-05-23
 EARLIER APPLICATION NUMBER: 60/047,582

us-09-445-201-1_copy_8260_10608.rni

EARLIER FILING DATE: 1997-05-23
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EARLIER FILING DATE: 1997-05-23
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EARLIER FILING DATE: 1997-05-23
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EARLIER FILING DATE: 1997-04-11
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EARLIER FILING DATE: 1997-04-11
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EARLIER APPLICATION NUMBER: 60/048,974
EARLIER FILING DATE: 1997-08-06
EARLIER APPLICATION NUMBER: 60/056,886
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EARLIER APPLICATION NUMBER: 60/056,877
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EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,662
EARLIER FILING DATE: 1997-08-22
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EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,882
EARLIER FILING DATE: 1997-08-22
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EARLIER FILING DATE: 1997-08-22
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EARLIER FILING DATE: 1997-08-22
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EARLIER FILING DATE: 1997-08-22

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EARLIER APPLICATION NUMBER: 60/047,585
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EARLIER APPLICATION NUMBER: 60/047,594
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,589
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,593
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/047,614
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,578
EARLIER FILING DATE: 1997-04-11
EARLIER APPLICATION NUMBER: 60/043,576
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EARLIER APPLICATION NUMBER: 60/047,501
EARLIER FILING DATE: 1997-05-23
EARLIER APPLICATION NUMBER: 60/043,670
EARLIER FILING DATE: 1997-04-11
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EARLIER APPLICATION NUMBER: 60/056,664
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EARLIER APPLICATION NUMBER: 60/048,964
EARLIER FILING DATE: 1997-06-06
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EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/056,884
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/057,669
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/049,610
EARLIER FILING DATE: 1997-06-13
EARLIER APPLICATION NUMBER: 60/061,060
EARLIER FILING DATE: 1997-10-02

Query Match 1.88; Score 41.8; DB 4; Length 1751;
Best Local Similarity 61.58; Pred. No. 0.027;
Matches 67; Conservative 0; Mismatches 42; Indels 0; Gaps 0;

[illegible]

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RESULT 11
US-227-357-32/G
US-Sequence 32, Application US/09227357
Patent No. 6342581
GENERAL INFORMATION:
APPLICANT: Fischer et al.
TITLE OF INVENTION: 123 Human Secreted Proteins
FILE REFERENCE: FZ010P1
CURRENT APPLICATION NUMBER: US/09/227,357
CURRENT FILING DATE: 1999-01-08
CURRENT APPLICATION NUMBER: PCT/US98/13684
EARLIER FILING DATE: 1998-07-07
EARLIER APPLICATION NUMBER: 60/051,926
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/052,793
EARLIER FILING DATE: 1997-07-08
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EARLIER APPLICATION NUMBER: 60/055,947
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EARLIER APPLICATION NUMBER: 60/055,964
EARLIER FILING DATE: 1997-08-18

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1368	TATTAATTAGTATTCTTCTCTCTTGAGACAGAGCTC	1427
QY		
1750	TTTTTTTTTTTTTTTTTTTGAGACGAGCTCGGCTCT	1691
Db		
1428	CAAACTGGGTCATTTGCTCTCACTCATCAGAATG	1476
QY		
1690	GCGGACTGCAGTGGCGCAATCTCGGCTCACTGCAAG	1642
Db		

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1  RESULT 9
2  US-09-797-906-3/C
3  ; Sequence 3, Application US/09797906
4  ; Patent No. 6329188
5  ; GENERAL INFORMATION:
6  ; APPLICANT: Zianghe
7  ; TITLE OF INVENTION: ISOLATED HUMAN PROTEASE PROTEINS,
8  ; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN PROTEASE PROTEINS, AND
9  ; TITLE OF INVENTION: USES THEREOF
10 ; TITLE OF INVENTION:
11 ; FILE REFERENCE: CL001151CIP
12 ; CURRENT APPLICATION NUMBER: US/09/797,906
13 ; CURRENT FILING DATE: 2001-03-05
14 ; NUMBER OF SEQ ID NOS: 5
15 ; SOFTWARE: FastSeq for Windows Version 4.0
16 ; SEQ ID NO 3
17 ; LENGTH: 84495
18 ; TYPE: DNA
19 ; ORGANISM: Human
20 ; FEATURE:
21 ; NAME/KEY: misc_feature
22 ; LOCATION: (1)..(84495)
23 ; OTHER INFORMATION: n = A,T,C or G
24 ;
25 ; US-09-797-906-3

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Query Match	1.8%	Score 41.4	DB 4	Length 844937
Best Local Similarity	76.1%	Prod. No. 0.36	16	Indels 0
Matches	51	Conservative 0	Mismatches	Gaps 0
1372	AATTAGTATTCTCTCTCTGAGACAGAGTCTCACTGTGTGCCCGCAGGTAGTCTCAAA	1431		
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1457		1516		
1458				

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RESULT 10
US-09-128-155-16/C
  Sequence 16, Application US/09128155
  Patent No. 6117854
  GENERAL INFORMATION:
  APPLICANT: Pan, Yang
  TITLE OF INVENTION: NOVEL MOLECULES OF TANGO-77 RELATED PROTEIN FAMILY
  TITLE OF INVENTION: AND USES THEREOF
  FILE REFERENCE: 09404/052001
  CURRENT APPLICATION NUMBER: US/09/128,155
  CURRENT FILING DATE: 1998-08-03
  EARLIER APPLICATION NUMBER: US 60/091,650
  EARLIER FILING DATE: 1998-07-02
  EARLIER APPLICATION NUMBER: US 60/054,646
  EARLIER FILING DATE: 1997-08-04
  NUMBER OF SEQ ID NOS: 18
  SOFTWARE: FastSEQ for Windows Version 3.0
  SEQ ID NO 16:
  LENGTH: 152331
  TYPE: DNA
  ORGANISM: Homo sapiens
  FEATURE:
  NAME/KEY: misc_feature
  LOCATION: (1)..(152331)
  OTHER INFORMATION: n = A,T,C or G
US-09-128-155-16

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; EARLIER APPLICATION NUMBER: 60/056,360
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,684
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,984
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/055,954
; EARLIER FILING DATE: 1997-08-18
; EARLIER APPLICATION NUMBER: 60/058,785
; EARLIER FILING DATE: 1997-09-12
; EARLIER APPLICATION NUMBER: 60/058,664
; EARLIER FILING DATE: 1997-09-12
; EARLIER APPLICATION NUMBER: 60/058,660
; EARLIER FILING DATE: 1997-09-12
; EARLIER APPLICATION NUMBER: 60/058,661
; EARLIER FILING DATE: 1997-09-12
; NUMBER OF SEQ ID NOS: 672
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 32
; LENGTH: 1838
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1076)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-227-357-32

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Query Match
Best Local Similarity 1.7%; Score 40.4; DB 4; Length 1838;
Matches 56; Conservative 0; Mismatches 26; Indels 0; Gaps 0;

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QY 1359 CCTGCTCTCTTAATTAGTTATTTCTCTCTGACAGAGTCTCACTGTGTGGCCCA 1418
Db 992 CCAGCTAATTTTTTTTACTTTTTTAATTTTTTAGATGGAGTCTCACTGTGTACCCA 933
QY 1419 GCCTAGTCTCAAACTTCGGTTC 1440
Db 932 GGCTATATCTCAAACTTCCTGGGC 911

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RESULT 12

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US-09-659-791A-10/c.
; Sequence 10, Application US/09659791A
; Patent No. 6383808
; GENERAL INFORMATION:

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; APPLICANT: Brett P. Monia
; TITLE OF INVENTION: ANTISENSE MODULATION OF CLUSTERIN EXPRESSION
; FILE REFERENCE: RTS-0156
; CURRENT FILING DATE: 2000-09-11
; NUMBER OF SEQ ID NOS: 90
; SEQ ID NO 10
; LENGTH: 8133
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-659-791A-10

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Query Match
Best Local Similarity 1.7%; Score 40.4; DB 4; Length 8133;
Matches 65; Conservative 0; Mismatches 41; Indels 0; Gaps 0;
QY 1378 TTATTTCTCTCTCTGACAGAGTCTCACTGTGTGGCCCAAGCTAGTCTCAAACTTGGC 1437
Db 5457 TTTGTATTTTCTGACAGAGGTTCTCTGTGTGTCCAGGCTGGTCTCAAACTTGGC 1437
QY 1438 GTCCATTTCTCACTCATCAGAATGCTGGGCTTCCAGGTGTGTGC 1483
Db 5397 GGCTAACCCATCTGCCAAAAGTCTGGGATTACTGGTGTGAGC 5352

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RESULT 13

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US-09-128-155-17/c
; Sequence 17, Application US/09128155
; Patent No. 6117654
; GENERAL INFORMATION:
; APPLICANT: Pan, Yang
; TITLE OF INVENTION: NOVEL MOLECULES OF TANGO-77 RELATED PROTEIN FAMILY
; FILE REFERENCE: 09404/052001
; CURRENT APPLICATION NUMBER: US/09/128,155
; EARLIER FILING DATE: 1998-08-03
; EARLIER APPLICATION NUMBER: US 60/091,650
; EARLIER FILING DATE: 1998-07-02
; EARLIER APPLICATION NUMBER: US 60/054,646
; EARLIER FILING DATE: 1997-08-04
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 17
; LENGTH: 176373
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(176373)
; OTHER INFORMATION: n = A,T,C or G
US-09-128-155-17

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Best Local Similarity 1.7%; Score 40.4; DB 3; Length 176373;
Matches 68; Conservative 0; Mismatches 46; Indels 0; Gaps 0;
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QY 1438 GTCCATTTCTCACTCATCAGAATGCTGGGCTTCCAGGTGTGTCCAGGCTGGTCTCAAACTTGGC 61319
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RESULT 14

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US-08-126-587C-5/c
; Sequence 5, Application US/08126587C
; Patent No. 5534438
; GENERAL INFORMATION:

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; APPLICANT: Hayden, Michael
; APPLICANT: Goldberg, Paul
; APPLICANT: Andrew, Susan
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Lin, Biaoyang
; TITLE OF INVENTION: Process for Isolating Genes and the Gene
; TITLE OF INVENTION: Causative of Huntington's Disease and Differential 3'
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bell Seltzer Park & Gibson
; STREET: 1211 E. Morehead Street
; CITY: Charlotte
; STATE: No. 5534438th Carolina
; COUNTRY: USA
; ZIP: 28234

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; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/126,587C
; FILING DATE: 24-SEP-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Layton Jr., Samuel G.
; REGISTRATION NUMBER: 22,807
; REFERENCE/DOCKET NUMBER: 3477-84

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US-08-087-772A-1
LOCATION: 568..1731

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US-08-08/-772A-1
Query Match      1.7%; Score 40; DB 1; Length 1920;
Best Local Similarity 63.5%; Pred. No. 0.097; 35; Indels 0; Gaps 0;
Matches 61; Conservative 0; Mismatches 35;
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QY      97 TCTATTGTTGAGATAGTCTTCTCTATATGTTGCCCAGATTTGCTCTGGACCTCCAGATCC 38
      .
Db
1442 ATTGTCTCACTCATCAGAAATGCTGGGCTTCCAGT 1477
      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
QY      37 TTCTGGCTCAACCTCCCACTGCTGGGATTFACAGAT 2
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Db
Search completed: June 16, 2003, 13:59:56
Job time : 127.312 secs

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Search completed: June 16, 2003, 13:59:56
Job time : 127.312 secs

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TELECOMMUNICATION INFORMATION:
  TELEPHONE: 704-377-1561
  TELEFAX: 704-334-2014
  INFORMATION FOR SEQ ID NO: 5:
    SEQUENCE CHARACTERISTICS:
      LENGTH: 380 base pairs
      TYPE: nucleic acid
      STRANDEDNESS: single
      TOPOLOGY: linear
      MOLECULE TYPE: DNA (genomic)
      HYPOTHETICAL: NO
      ANTI-SENSE: NO
      POSITION IN GENOME:
        CHROMOSOME/SEGMENT: 4p16.3
      UNITS: bp
      US-08-126-387C-5

  Query Match          1.7%   Score 40.2;  DB 1;   Length 380;
  Best Local Similarity 60.6%;  Pred. No. 0.032;
  Matches 66;  Conservative 0;  Mismatches 43;  Indels 0;  Gaps 0;

OY 1368 TATTAATAAGTATTCTCTCTCTGAGACAGAGCTCACATGTGTGGCCAGGCTAGTCT 1427
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Db 339 TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT TTTT
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
OY 1428 CAACACTGCGGTCCATTGTCCTCATCATCATCATGCTGGGCTTCACG 1476
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 279 GCGGACTGCAGTGGCGCAATCTCGGCTCACTGAAGCTCCGCTTCCCG 231
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RESULT 15
US-08-087-772A-1/c
Sequence 1, Application US/08087772A
Patent No. 5691155
GENERAL INFORMATION:
APPLICANT: Nahmias, Clara L.
APPLICANT: Emorine, Jean L.
APPLICANT: Strosberg, Donny A. Sequences Encoding the Murine
TITLE OF INVENTION: Nucleotide Receptor and Their Applications
TITLE OF INVENTION: Beta3-Adrenergic Receptor and Their Applications
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: Bell, Seltzer, Park & Gibson
STREET: Post Office Drawer 34009
CITY: Charlotte
STATE: No. 5691155th Carolina
COUNTRY: USA
ZIP: 28234
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/087,772A
FILING DATE:
CLASSIFICATION: 800
ATTORNEY/AGENT INFORMATION:
NAME: Linker, Raymond O.
REGISTRATION NUMBER: 26,419
REFERENCE/DOCKET NUMBER: 3339-195
TELECOMMUNICATION INFORMATION:
TELEPHONE: 919-881-3140
TELEFAX: 919-881-3175
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1920 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
FEATURE:
NAME/KEY: CDS

GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: June 16, 2003, 13:47:07 ; Search time 318.472 Seconds
(without alignments)
10680.673 Million cell updates/sec

Title: US-09-445-201-1_COPY_8260_10608

Perfect score: 2349

Sequence: 1 tgaataagatggagggtgcc.....agggtcttcattgatcc 2349

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1029858 seqs, 724030393 residues

Total number of hits satisfying chosen parameters: 2059716

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications_NA:*

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- 2: /cgn2.6/ptodata/2/pubpna/PCT_NEW_PUB.seq:*
- 3: /cgn2.6/ptodata/2/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2.6/ptodata/2/pubpna/US06_PUBCOMB.seq:*
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- 12: /cgn2.6/ptodata/2/pubpna/US10_PUBCOMB.seq:*
- 13: /cgn2.6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
- 14: /cgn2.6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	511	21.8	511	10	US-09-738-968-35
2	55.2	2.3	389	9	US-09-933-797-75
3	47.2	2.0	32193	9	US-09-764-868-1508
4	47.2	2.0	98865	10	US-09-770-689A-3
5	46.6	2.0	197997	10	US-09-822-246-3
6	46	2.0	4064	10	US-09-873-737A-3
7	45.6	1.9	13409	9	US-09-764-891-9601
8	44.8	1.9	5409	9	US-10-074-095-752
9	44.8	1.9	5409	10	US-09-764-860-752
10	44.8	1.9	368004	10	US-09-949-654-3
11	44.4	1.9	10739	9	US-10-091-504-2130
12	44.4	1.9	10739	9	US-09-764-869-2130
13	44.2	1.9	9968	9	US-10-102-627-100
14	44.2	1.9	20210	9	US-10-125-540-598
15	44.2	1.9	20210	10	US-09-764-870-598
16	44.2	1.9	174566	9	US-10-020-141-1
17	44.2	1.9	1503841	9	US-09-946-807-1
18	44.2	1.9	1503841	10	US-09-795-668-1
19	44.2	1.9	1503841	10	US-09-795-686-1

20	44	1.9	168	9	US-09-764-891-5997	Sequence 5997, Ap
21	44	1.9	818	9	US-10-011-445-12	Sequence 12, Appl
22	44	1.9	10708	10	US-09-748-107-3	Sequence 3, Appli
23	43.6	1.9	8205	9	US-09-860-670-276	Sequence 276, App
24	43.2	1.8	11316	9	US-09-764-868-1391	Sequence 1391, Ap
25	43.2	1.8	152331	9	US-10-093-407-16	Sequence 16, Appl
26	43	1.8	2482	10	US-09-880-107-2238	Sequence 2238, Ap
27	42.8	1.8	2854	9	US-09-764-891-8205	Sequence 8205, Ap
28	42.8	1.8	3271	9	US-09-764-891-8206	Sequence 8206, Ap
29	42.8	1.8	12712	9	US-09-764-868-1425	Sequence 1425, Ap
30	42.8	1.8	30350	9	US-10-118-328-3	Sequence 3, Appli
31	42.8	1.8	31766	9	US-10-288-478-5	Sequence 5, Appli
32	42.8	1.8	31766	9	US-10-288-478-5	Sequence 3, Appli
33	42.8	1.8	31766	10	US-09-765-344-5	Sequence 5, Appli
34	42.8	1.8	31766	10	US-09-765-344-5	Sequence 5, Appli
35	42.8	1.8	186957	9	US-10-185-770-3	Sequence 3, Appli
36	42.6	1.8	8966	10	US-09-880-107-2086	Sequence 2086, Ap
37	42.6	1.8	15275	9	US-10-091-504-1475	Sequence 1475, Ap
38	42.6	1.8	15275	10	US-09-764-869-1475	Sequence 1, Appli
39	42.6	1.8	1691139	9	US-10-067-514-1	Sequence 9, Appli
40	42.4	1.8	582	9	US-10-066-543-1080	Sequence 9, Appli
41	42.4	1.8	78025	9	US-10-020-141-9	Sequence 9, Appli
42	42.2	1.8	1101	9	US-09-764-872-908	Sequence 908, App
43	42.2	1.8	14507	9	US-09-973-928-1	Sequence 1, Appli
44	42.2	1.8	36303	9	US-10-152-724A-24	Sequence 24, Appli
45	42	1.8	448	9	US-09-918-995-31628	Sequence 31628, A

ALIGNMENTS

RESULT 1

US-09-738-968-35
; Sequence 35, Application US/09738968
; Patent No. US20010037016A1
; GENERAL INFORMATION:
; APPLICANT: Contag, Pamela R.
; APPLICANT: Zhang, Ning
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR SCREENING FOR ANGIOGENESIS
; TITLE OF INVENTION: MODULATING COMPOUNDS
; FILE REFERENCE: 9400-0012.20
; CURRENT APPLICATION NUMBER: US/09/738,968
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: 09/465,978
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 35
; LENGTH: 511
; TYPE: DNA
; ORGANISM: Mus sp.
US-09-738-968-35

Query Match	21.8%	Score 511;	DB 10;	Length 511;
Best Local Similarity	100.0%;	Pred. No. 8.6e-132;		
Mismatches 511;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1838	AAATGTGCTGCTTTAGAGCCACCTGCTCAGCTTCTGCAGCTCAGATACCAAGGAAT	1897	
Db	1	AAATGTGCTGCTTTAGAGCCACCTGCTCAGCTTCTGCAGCTCAGATACCAAGGAAT	60	
Qy	1898	CTGGTACACAGCATGATAAAGACAATGGAGGGGTACAGTGGCTCCCGTCCCTTTCA	1957	
Db	61	CTGGTACACAGCATGATAAAGACAATGGAGGGGTACAGTGGCTCCCGTCCCTTTCA	120	
Qy	1958	GGGTATGGACGACGCTGTAGAGATGCTCCAGGGAGTTTTCATTAAATCAGCAATTT	2017	
Db	121	GGGTATGGACGACGCTGTAGAGATGCTCCAGGGAGTTTTCATTAAATCAGCAATTT	180	
Qy	2018	AGTCAGATCTGTGCATCTCTTACAGAAATGTGAGTGGGCTCAGATCATCAT	2077	
Db	181	AGTCAGATCTGTGCATCTCTTACAGAAATGTGAGTGGGCTCAGATCATCAT	240	

;; PRIOR APPLICATION NUMBER: 60/225,758
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/220,963
;; PRIOR FILING DATE: 2000-07-26
;; PRIOR APPLICATION NUMBER: 60/217,496
;; PRIOR FILING DATE: 2000-07-11
;; PRIOR APPLICATION NUMBER: 60/225,447
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/218,290
;; PRIOR FILING DATE: 2000-07-14
;; PRIOR APPLICATION NUMBER: 60/225,757
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/226,868
;; PRIOR FILING DATE: 2000-08-22
;; PRIOR APPLICATION NUMBER: 60/216,647
;; PRIOR FILING DATE: 2000-07-07
;; PRIOR APPLICATION NUMBER: 60/225,267
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/216,880
;; PRIOR FILING DATE: 2000-07-07
;; PRIOR APPLICATION NUMBER: 60/225,270
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/251,869
;; PRIOR FILING DATE: 2000-12-08
;; PRIOR APPLICATION NUMBER: 60/235,834
;; PRIOR FILING DATE: 2000-09-27
;; PRIOR APPLICATION NUMBER: 60/234,274
;; PRIOR FILING DATE: 2000-09-21
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;; PRIOR FILING DATE: 2000-09-21
;; PRIOR APPLICATION NUMBER: 60/228,924
;; PRIOR FILING DATE: 2000-08-30
;; PRIOR APPLICATION NUMBER: 60/224,518
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/236,369
;; PRIOR FILING DATE: 2000-09-29
;; PRIOR APPLICATION NUMBER: 60/224,519
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/220,964
;; PRIOR FILING DATE: 2000-07-26
;; PRIOR APPLICATION NUMBER: 60/241,809
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/249,299
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/236,327
;; PRIOR FILING DATE: 2000-09-29
;; PRIOR APPLICATION NUMBER: 60/241,785
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/244,617
;; PRIOR FILING DATE: 2000-11-01
;; PRIOR APPLICATION NUMBER: 60/225,268
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/236,368
;; PRIOR FILING DATE: 2000-09-29
;; PRIOR APPLICATION NUMBER: 60/251,856
;; PRIOR FILING DATE: 2000-12-08
;; PRIOR APPLICATION NUMBER: 60/251,868
;; PRIOR FILING DATE: 2000-12-08
;; PRIOR APPLICATION NUMBER: 60/229,344
;; PRIOR FILING DATE: 2000-09-01
;; PRIOR APPLICATION NUMBER: 60/234,997
;; PRIOR FILING DATE: 2000-09-25
;; PRIOR APPLICATION NUMBER: 60/229,343
;; PRIOR FILING DATE: 2000-09-01
;; PRIOR APPLICATION NUMBER: 60/229,345
;; PRIOR FILING DATE: 2000-09-01
;; PRIOR APPLICATION NUMBER: 60/229,287
;; PRIOR FILING DATE: 2000-09-01
;; PRIOR APPLICATION NUMBER: 60/229,513
;; PRIOR FILING DATE: 2000-09-05
;; PRIOR APPLICATION NUMBER: 60/231,413
;; PRIOR FILING DATE: 2000-09-08
;; PRIOR APPLICATION NUMBER: 60/229,509

;; PRIOR FILING DATE: 2000-09-05
;; PRIOR APPLICATION NUMBER: 60/236,367
;; PRIOR FILING DATE: 2000-09-29
;; PRIOR APPLICATION NUMBER: 60/237,039
;; PRIOR FILING DATE: 2000-10-02
;; PRIOR APPLICATION NUMBER: 60/237,038
;; PRIOR FILING DATE: 2000-10-02
;; PRIOR APPLICATION NUMBER: 60/236,370
;; PRIOR FILING DATE: 2000-09-29
;; PRIOR APPLICATION NUMBER: 60/236,802
;; PRIOR FILING DATE: 2000-10-02
;; PRIOR APPLICATION NUMBER: 60/237,037
;; PRIOR FILING DATE: 2000-10-02
;; PRIOR APPLICATION NUMBER: 60/237,040
;; PRIOR FILING DATE: 2000-10-02
;; PRIOR APPLICATION NUMBER: 60/240,960
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/239,935
;; PRIOR FILING DATE: 2000-10-13
;; PRIOR APPLICATION NUMBER: 60/239,937
;; PRIOR FILING DATE: 2000-10-13
;; PRIOR APPLICATION NUMBER: 60/241,787
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/246,474
;; PRIOR FILING DATE: 2000-11-08
;; PRIOR APPLICATION NUMBER: 60/246,532
;; PRIOR FILING DATE: 2000-11-08
;; PRIOR APPLICATION NUMBER: 60/249,216
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,210
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/226,681
;; PRIOR FILING DATE: 2000-08-22
;; PRIOR APPLICATION NUMBER: 60/225,759
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/225,213
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/227,182
;; PRIOR FILING DATE: 2000-08-22
;; PRIOR APPLICATION NUMBER: 60/225,214
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/235,836
;; PRIOR FILING DATE: 2000-09-27
;; PRIOR APPLICATION NUMBER: 60/230,438
;; PRIOR FILING DATE: 2000-09-06
;; PRIOR APPLICATION NUMBER: 60/215,135
;; PRIOR FILING DATE: 2000-06-30
;; PRIOR APPLICATION NUMBER: 60/225,266
;; PRIOR FILING DATE: 2000-08-14
;; PRIOR APPLICATION NUMBER: 60/249,218
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,208
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,213
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,212
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,207
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,245
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,244
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,217
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,211
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,215
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,264
;; PRIOR FILING DATE: 2000-11-17
;; PRIOR APPLICATION NUMBER: 60/249,214
;; PRIOR FILING DATE: 2000-11-17

PRIOR APPLICATION NUMBER: 60/249,297
PRIOR FILING DATE: 2000-11-17
PRIOR APPLICATION NUMBER: 60/232,400
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/231,242
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/232,081
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/232,080
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/231,414
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/231,244
PRIOR FILING DATE: 2000-09-08
PRIOR APPLICATION NUMBER: 60/233,064
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/233,063
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/232,397
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/232,399
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/232,401
PRIOR FILING DATE: 2000-09-14
PRIOR APPLICATION NUMBER: 60/241,808
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241,826
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241,786
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/241,221
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/246,475
PRIOR FILING DATE: 2000-11-08
PRIOR APPLICATION NUMBER: 60/231,243
PRIOR FILING DATE: 2000-09-08

Query Match 1.9%; Score 44.8; DB 9; Length 5409;
Best Local Similarity 69.3%; Pred. No. 0.29;
Matches 61; Conservative 0; Mismatches 27; Indels 0; Gaps 0;

QY 1353 TGGATGCTGCTGCTATTATTAGTTTCTCTCTCTGAGACAGAGTCTCACTGTGT 1412
DB 4060 TGTGTGCCACCAAGCTAATGTTTAAATTTTCTGAGACAGAGGCTCTCACTATGT 4001
QY 1413 GGGCCAGGCTAGTCTCAAACTTGGGTC 1440
DB 4000 TGCCAGGCTAGTCTCAAACTTGGTC 3973

RESULT 9
US-09-764-860-752/c
; Sequence 752, Application US/09764860
; Patent No. US20020094953A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC008
; CURRENT APPLICATION NUMBER: US/09764,860
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1198
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 752
; LENGTH: 5409
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-860-752

Query Match 1.9%; Score 44.8; DB 10; Length 5409;
Best Local Similarity 69.3%; Pred. No. 0.29;
Matches 61; Conservative 0; Mismatches 27; Indels 0; Gaps 0;

QY 1353 TGGATGCTGCTGCTATTATTAGTTTCTCTCTCTGAGACAGAGTCTCACTGTGT 1412
DB 4060 TGTGTGCCACCAAGCTAATGTTTAAATTTTCTGAGACAGAGGCTCTCACTATGT 4001
QY 1413 GGGCCAGGCTAGTCTCAAACTTGGGTC 1440
DB 4000 TGCCAGGCTAGTCTCAAACTTGGTC 3973

RESULT 10
US-09-949-654-3
; Sequence 3, Application US/09949654
; Patent No. US20020127644A1
; GENERAL INFORMATION:
; APPLICANT: YAN, Chunhua et al.
; TITLE OF INVENTION: ISOLATED HUMAN TRANSPORTER PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN TRANSPORTER PROTEINS,
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL000817
; CURRENT APPLICATION NUMBER: US/09/949,654
; CURRENT FILING DATE: 2001-09-12
; PRIOR APPLICATION NUMBER: 60/231,572
; PRIOR FILING DATE: 2000-09-11
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 368004
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)..(368004)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-654-3

Query Match 1.9%; Score 44.8; DB 10; Length 368004;
Best Local Similarity 62.5%; Pred. No. 4.9;
Matches 70; Conservative 0; Mismatches 42; Indels 0; Gaps 0;

QY 1365 TGCTATTATTAGTTTCTCTCTCTGAGACAGAGTCTCACTGTGTGGCCAGGCTAG 1424
DB 286215 TGCTACATATTTTTTTTTTTTTTTTGTGAGACGAGTCTGCTCTGCGCCAGGCTGG 286274
QY 1425 TCTCAAACTTGGGTCCTTCTCTCACTCATCAAGTCTGGCTTCCAGG 1476
DB 286275 ACTGGGACTGAGTGGCGCAATCTCGGCTCACTGCAAGCTCCGCTTCCCG 286326

RESULT 11
US-10-091-504-2130
; Sequence 2130, Application US/10091504
; Publication No. US20030059908A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007C1
; CURRENT APPLICATION NUMBER: US/10/091,504
; CURRENT FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 2442
; Prior Application removed - See File Wrapper or Palm
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2130
; LENGTH: 10739
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-091-504-2130

Query Match 1.9%; Score 44.4; DB 9; Length 10739;
Best Local Similarity 73.1%; Pred. No. 0.59;
Matches 57; Conservative 0; Mismatches 21; Indels 0; Gaps 0;
QY 1363 CTGCTATTAAATAGTTTCTCTCTGAGACAGAGTCTCACTGTGTGCCAGGCT 1422
DB 286275 CTGCTATTAAATAGTTTCTCTCTGAGACAGAGTCTCACTGTGTGCCAGGCT 1422

Db	6369	CGAGCTAATTTTTTTTATATATTTATATAGACACAGGGTCTC	CACATGTTGCCAGGCT	6428
QY	1423	AGTCTCAAACTTCGGTC	1440	
Db	6429	GGTCTCAAACTCCTGGGC	6446	

```

RESULT 12
US-09-764-869-2130
; Sequence 2130, Application US/09764869
; Patent No. US20020061521A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC007
; CURRENT APPLICATION NUMBER: US/09/764,869
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - refer to PALM or file wrapper
; NUMBER OF SEQ ID NOS: 2442
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2130
; LENGTH: 10739
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-869-2130

```

```

RESULT 13
US-10-102-627-100/c
; Sequence 100, Application US/10102627
; Publication No. US20030054377A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PTZ24C1
; CURRENT APPLICATION NUMBER: US/10/102,627
; CURRENT FILING DATE: 2002-03-22
; NUMBER OF SEQ ID NOS: 110
; Prior Application removed - See File Wrapper or Palm
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 100
; LENGTH: 9968
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-102-627-100

```

RESULT 14
US-10-125-540-598

```

; Sequence 598, Application US/10125540
; Publication No. US20030059875A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PTZ14C1
; CURRENT APPLICATION NUMBER: US/10/125,540
; CURRENT FILING DATE: 2002-04-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 646
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 598
; LENGTH: 20210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-125-540-598

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```

RESULT 15
US-09-764-870-598
; Sequence 598, Application US/09764870
; Patent NO. US20020042386A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: Ptz14
; CURRENT APPLICATION NUMBER: US/09/764,870
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 646
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 598
; LENGTH: 20210
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-870-598

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Search completed: June 16, 2003, 20:06:32
Job time : 323.472 secs


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Db      84 AACATCAGACGAGCTTCTCGCTTAGAAAAAGCTTTATTAGGTTTACAAACACAATGTA 143
QY      423 AAGTCAATCCACCTTTATACAAATGCTGAAGAGGCGCTTTTAAAACTTGAGTGTG 482
Db      144 CAGTGATCAACACCCTCTATTATAGCTCGTTTTAGACATATCTGGAAGATGGTGAGTG 203
QY      483 CATTG 487
Db      204 CATTG 208

RESULT 2
US-09-228-986-7
; Software: FastSeq for Windows Version 3.0
; SEQ ID NO 751
; LENGTH: 568
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(568)
; OTHER INFORMATION: n = A,T,C or G
US-09-328-111-751

Query Match      5.7%; Score 29.6; DB 4; Length 568:
Best Local Similarity 61.8%; Pred. No. 2.9;
Matches 47; Conservative 0; Mismatches 29; Indels 0; Gaps 0;

GENERAL INFORMATION:
; APPLICANT: Strabala, Timothy
; APPLICANT: Nieuwenhuizen, Niels
; TITLE OF INVENTION: Compositions Isolated from Plant Cells
; TITLE OF INVENTION: and Their Use in the Modification of Plant Cell Signalling
; FILE REFERENCE: 11000/1020
; CURRENT APPLICATION NUMBER: US/09/228,986
; CURRENT FILING DATE: 1999-01-12
; NUMBER OF SEQ ID NOS: 130
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 2432
; TYPE: DNA
; ORGANISM: Pinus radiata
US-09-228-986-7

Query Match      5.8%; Score 29.8; DB 4; Length 2432:
Best Local Similarity 51.1%; Pred. No. 5.7;
Matches 70; Conservative 0; Mismatches 67; Indels 0; Gaps 0;

QY      230 TGAGATCATCAGATGGAGGTTTCATCGGGTTTCATATGTCCTATCCCTTTTGTAGACCTT 289
Db      121 TGAGTATTTTCCTGATACCTTATCTGTACTTGTATCTGTATCTGATGATGATTTCAAGATCTT 180
QY      290 GAAGTTGGCAACGAGGAGAAACAGAACTCCACCTGTGCGCGTGAATTGCGAGAGCTTT 349
Db      181 GTTTGTCGAAGAGGAGGAGAAATTAAGTCCTCTTTTCATATGTTGACTGCGCTTTCTGCT 240
QY      350 GTGTTGGTTTGTGACCA 366
Db      241 ATTGTCCTTCACTACCA 257

RESULT 3
US-09-328-111-751
; Software: FastSeq for Windows Version 3.0
; SEQ ID NO 751
; LENGTH: 568
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(568)
; OTHER INFORMATION: n = A,T,C or G
US-09-443-184-34

Query Match      5.7%; Score 29.6; DB 4; Length 4850:
Best Local Similarity 61.8%; Pred. No. 9.7;
Matches 47; Conservative 0; Mismatches 29; Indels 0; Gaps 0;

GENERAL INFORMATION:
; APPLICANT: Endege, Wilson O.
; APPLICANT: Steinmann, Kathleen E.
; APPLICANT: Astle, Jon H.
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Bushnell, Steven E.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Catino, Theodore J.
; APPLICANT: Derti, Adnan
; APPLICANT: Ford, Donna M.
; APPLICANT: Lewis, Marcia E.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; TITLE OF INVENTION: PRODUCTS
; FILE REFERENCE: CCD-257 (US)
; CURRENT APPLICATION NUMBER: US/09/328,111
; CURRENT FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: US 60/088,801
; EARLIER FILING DATE: 1998-06-10
; NUMBER OF SEQ ID NOS: 850
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; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 751
; LENGTH: 568
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(568)
; OTHER INFORMATION: n = A,T,C or G
US-09-328-111-751

Query Match      5.7%; Score 29.6; DB 4; Length 568:
Best Local Similarity 61.8%; Pred. No. 2.9;
Matches 47; Conservative 0; Mismatches 29; Indels 0; Gaps 0;

GENERAL INFORMATION:
; APPLICANT: Cunningham, Mary Jane
; APPLICANT: Zweiger, Gary
; APPLICANT: Kaser, Matthew R.
; APPLICANT: Panzer, Scott
; APPLICANT: Seilhammer, Jeffrey J.
; APPLICANT: Yue, Henry
; APPLICANT: Baughn, Mariah
; APPLICANT: Azimzai, Yalda
; APPLICANT: Lal, Preeti
; TITLE OF INVENTION: MAMMALIAN TOXICOLOGICAL RESPONSE MARKERS
; FILE REFERENCE: PC-0007 US
; CURRENT APPLICATION NUMBER: US/09/443,184A
; CURRENT FILING DATE: 1999-11-19
; NUMBER OF SEQ ID NOS: 138
; SOFTWARE: PERL Program
; SEQ ID NO 34
; LENGTH: 4850
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(568)
; OTHER INFORMATION: Incyte ID No. 6372431 2302721CB1
US-09-443-184-34

Query Match      5.7%; Score 29.6; DB 4; Length 4850:
Best Local Similarity 61.8%; Pred. No. 9.7;
Matches 47; Conservative 0; Mismatches 29; Indels 0; Gaps 0;

GENERAL INFORMATION:
; APPLICANT: Endege, Wilson O.
; APPLICANT: Steinmann, Kathleen E.
; APPLICANT: Astle, Jon H.
; APPLICANT: Burgess, Christopher C.
; APPLICANT: Bushnell, Steven E.
; APPLICANT: Carroll III, Eddie
; APPLICANT: Catino, Theodore J.
; APPLICANT: Derti, Adnan
; APPLICANT: Ford, Donna M.
; APPLICANT: Lewis, Marcia E.
; APPLICANT: Monahan, John E.
; APPLICANT: Schlegel, Robert
; TITLE OF INVENTION: NOVEL HUMAN GENES AND GENE EXPRESSION
; TITLE OF INVENTION: PRODUCTS
; FILE REFERENCE: CCD-257 (US)
; CURRENT APPLICATION NUMBER: US/09/328,111
; CURRENT FILING DATE: 1999-06-08
; EARLIER APPLICATION NUMBER: US 60/088,801
; EARLIER FILING DATE: 1998-06-10
; NUMBER OF SEQ ID NOS: 850
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: TITLE OF INVENTION: AND USES THEREOF
: FILE REFERENCE: 09404/052001
: CURRENT APPLICATION NUMBER: US/09/128,155
: CURRENT FILING DATE: 1998-08-03
: EARLIER APPLICATION NUMBER: US 60/091,650
: EARLIER FILING DATE: 1998-07-02
: EARLIER APPLICATION NUMBER: US 60/054,646
: EARLIER FILING DATE: 1997-08-04
: NUMBER OF SEQ ID NOS: 18
: SOFTWARE: FastSeq for Windows Version 3.0
: SEQ ID NO 16
: LENGTH: 152331
: TYPE: DNA
: ORGANISM: Homo sapiens
: FEATURE:
: NAME/KEY: misc_feature
: LOCATION: (1)..(152331)
: OTHER INFORMATION: n = A,T,C or G
US-09-128-155-16

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[illegible]

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RESULT 6
5248670-4/c
; Patent No. 5248670
; : APPLICANT: DRAPER, KENNETH G.; ECKER, DAVID J.; MIRABELLI,
; : CHRISTOPHER K.; CROOKE, STANLEY T.
; : TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDES FOR
; : INHIBITING HERPESVIRUS
; : NUMBER OF SEQUENCES: 15
; : CURRENT APPLICATION DATA:
; : APPLICATION NUMBER: US/07/485,297
; : FILING DATE: 26-FEB-1990
; : SEQ ID NO: 4:
; : LENGTH: 3688
5248670-4

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Query Match	5.7%	Score 29.2;	DB 6;	Length 3688;
Best Local Similarity	57.8%;	Pred. No. 11;		
Matches	52; Conservative	0; Mismatches	38; Indels	0; Gaps 0;
QY	340 CAGAGCTGTGTGTTGGTTTTTGACATCTGCCATTCTTCCTGTATTATGACAGAGTGT	399		
Db	1515 CAGGGGTTTGAACCCGTTAAACCAGCGCGCTGCATACTCCCTCAGATGATAGGCGGT	1456		
QY	400 GAACTTTAAC TGGACTGGGCAAGTCAA	429		
Db	1455 ATCGTGTGGGGGGACCGGGGAAGTCCA	1426		

RESULT 7
US-09-516-352A-3
; Sequence 3, Application US/09516352A
; Patent No. 6365127
; GENERAL INFORMATION:
; APPLICANT: Kourides, Ione A
; APPLICANT: Whitfield, Graham K
; TITLE OF INVENTION: ISOLATION OF A

```

; TITLE OF INVENTION: SUBUNIT
; FILE REFERENCE: 25605-2B
; CURRENT APPLICATION NUMBER: US/09/516,352A
; CURRENT FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 08/957,545
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 08/006,208
; PRIOR FILING DATE: 1993-01-19
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 511
; TYPE: DNA
; ORGANISM: human
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (164)..(418)
; US-09-516-352A-3

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	Query Match	5.6%	Score 29;	DB 4;	Length 511;
	Best Local Similarity	49.7%	Pred. No. 4.4;		
	Matches	74;	Conservative	0;	Mismatches 75; Indels 0; Gaps 0;
Qy	325	TGGTGGCGTGAATTGCAGAGACTGTTGTCGTGGTTTGTGACCACTGCGCCATTCTTCCTGT	384		
Db	223	TAGAGACTTCATCTACAGGACTGTGAGAAATACCAAGATGCGCCACTCCACTGTGCTCCCTA	282		
Qy	385	TATGACAGAGCTTTGAACCTTAACTGGGACTGGGCGAAAGTCAATCCCACCTTTTATACA	444		
Db	283	TTTTTCCTATCCTGTCCTTTAAAGCTGTAAGTGTGGCAAGTGCNAATACTGACTATAGTGA	342		
Qy	445	ATGAATTGCTGAAGAGGCGCTTTTAAAACT	473		
Db	343	CTGCATACATGAAGCCATCAAGACAAACT	371		

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RESULT 8
US-09-480-921B-24/c
US-480-24, Application US/09480921B
; Patent No. 6387637
; GENERAL INFORMATION:
; APPLICANT: Levin, Joshua Z.
; APPLICANT: Budziszewski, Gregory J.
; APPLICANT: Potter, Sharon L.
; APPLICANT: Wegrich, Lynette M.
; TITLE OF INVENTION: Herbicide Target Genes and Methods
; FILE REFERENCE: PB/S-30780A
; CURRENT APPLICATION NUMBER: US/09/480, 921B
; CURRENT FILING DATE: 2000-01-11
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 24
; LENGTH: 5077
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-480-921B-24

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	Query Match	5.6%;	Score 29;	DB 4;	Length 5077;
	Best Local Similarity	53.0%;	Pred. No.16;		
	Matches	62;	Conservative	0;	Mismatches 55; Indels 0; Gaps 0;
Qy	396	TTGTGAACCTTTAACTGGGACTGGGGCAAGTCAATCCACCTTTATACAATGAATTGCTG	455		
Db	4496	TAGTGATATCAACAAGAATCAGGAAAAGTAAAAAGCGAAAATTTACTTCAAATAGAGA	4437		
Qy	456	AAGAGGCCTTTTAAACTTCGAGTGTGCATTTGTTATTTGGAAGGCTTTTCCTAATGGA	512		
Db	4436	AATAAGAATCCCAAAGCTTATATGTCGTAAGTTTTTACATGGGCTTTCTTATGGTA	4380		

RESULT 9
US-09-325-932A-21
; Sequence 21, Application US/09325932A

```
; Patent No. 6451604
; GENERAL INFORMATION:
; APPLICANT: Flinn, Barry
; APPLICANT: Lasham, Annette
; TITLE OF INVENTION: Compositions affecting programmed cell
; TITLE OF INVENTION: death and their use in the modification of forestry plant develop
; FILE REFERENCE: 1022
; CURRENT APPLICATION NUMBER: US/09/325,932A
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 206
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 21
; LENGTH: 704
; TYPE: DNA
; ORGANISM: Pinus radiata
; US-09-325-932A-21

Query Match          5.6%; Score 28.8; DB 4; Length 704;
Best Local Similarity 58.0%; Pred. No. 6.2;
Matches 51; Conservative 0; Mismatches 37; Indels 0; Gaps 0;

QY 391 AGAGCTTGTAACCTTTAACTGGGACTGGGCAAAAGTCAATCCACCTTTATACAATGAAT 450
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 143 AGAGATCTCAACRAATTATAGTGCCAGTTCCTCAATACCGACCCCATCTGAGACTCTGAAC 202
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 451 TGCTGAGAGGCGCTTTTAAACTTTGGAG 478
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 203 GCCTGAGGAGGCGCTTTTGAAGGGTGGG 230

RESULT 10
US-09-032-365A-64
; Sequence 64, Application US/09032365A
; Patent No. 6114502
; GENERAL INFORMATION:
; APPLICANT: No. 6114502th, Michael
; APPLICANT: Nishina, Patsy
; APPLICANT: Naggart, Juergen
; APPLICANT: No. 6114502en-Trauth, Konrad
; TITLE OF INVENTION: GENE FAMILY ASSOCIATED WITH
; TITLE OF INVENTION: NEUROSENSORY DEFECTS
; NUMBER OF SEQUENCES: 67
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Bozicevic & Reed, LLP
; STREET: 285 Hamilton Avenue, Suite 200
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/032.365A
; FILING DATE:
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sherwood, Pamela J
; REGISTRATION NUMBER: 36,677
; REFERENCE/DOCKET NUMBER: SEQ-2CIP2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-327-3400
; TELEFAX: 650 327-3231
; TELEX:
; INFORMATION FOR SEQ ID NO: 64:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2088 base pairs
; TYPE: nucleic acid
```

```
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; US-09-032-365A-64
```

```
Query Match          5.6%; Score 28.8; DB 3; Length 2088;
Best Local Similarity 50.7%; Pred. No. 11;
Matches 69; Conservative 0; Mismatches 67; Indels 0; Gaps 0;

QY 67 GTACACAGCATGATATAAGACAAATCGGACGGGTACACAGTGGCTCCCGTCCCTTTTCAGGG 126
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 71 GTGTGAGGGGTCTTATAGAGAAATATGCCCTAAACGGAATGGCTTAAGCCCTGTTCCCTGGG 130
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 127 GTATGGAGACGAGCTGTAGAGAGATGTCTCCAGGAGTTTTCATTAAATCAACCAATTTAGT 186
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 131 AAAGTGGCCCGAGGAGGTAGAACTGTCTCTAGGAATATGATCTCTTCTAGCAAGTGCCT 190
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 187 CAGATCTGTGCATCCT 202
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 191 AGGGCCCTGGCATCCT 206
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
```

```
RESULT 11
US-09-392-184-7
; Sequence 7, Application US/09392184
; Patent No. 6395889
; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN
; TITLE OF INVENTION: PROTEASE HOMOLOGS
; FILE REFERENCE: 5800-55
; CURRENT APPLICATION NUMBER: US/09/392.184
; CURRENT FILING DATE: 1999-09-09
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 3126
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc-feature
; LOCATION: (1)...(3126)
; OTHER INFORMATION: reprotolysin (ADAM family of metalloprotease)
; US-09-392-184-7
```

```
Query Match          5.6%; Score 28.6; DB 4; Length 3126;
Best Local Similarity 52.0%; Pred. No. 17;
Matches 64; Conservative 0; Mismatches 59; Indels 0; Gaps 0;

QY 310 ACAGGAACCTCCACCCCTGGTGCCGTGAATTCAGAGAGCTGTGTGTTGGTTTGACCATCT 369
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 415 ACTTGAACCCGAGCAAGGTCCACTGCCACTGGACAGTTGATGATAGGCTCTGCCGCCCAT 474
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 370 GCCCATTCCTCCGTGTTATGACAGAGCTGTGACTTTTAACTGGGAGCTGGGCGCAAGTCAA 429
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 475 ACCCTCTCTCTTCCCTCTTAGGAATTTGTGCAGTACTGGAGGGGTTCGCGCAATGGGAG 534
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 430 TCC 432
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 535 GCC 537
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
```

```
RESULT 12
US-09-641-638-620/c
; Sequence 620, Application US/09641638
; Patent No. 6432648
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Bouqueleret, Lydie
; APPLICANT: Chumakov, Ilya
; APPLICANT: Cohop, Annick
; TITLE OF INVENTION: BIALLELIC MARKERS DERIVED FROM GENOMIC REGIONS CARRYING
; TITLE OF INVENTION: GENES INVOLVED IN ARACHIDONIC ACID METABOLISM
```

```
; FILE REFERENCE: GENSET.051CPI
; CURRENT APPLICATION NUMBER: US/09/641.638
; CURRENT FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: US 09/502,330
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: US 60/133,200
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: US 09/275,267
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: US 60/119,917
; PRIOR FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 1304
; SOFTWARE: Patent.pm
; SEQ ID NO 620
; LENGTH: 1001
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 501
; OTHER INFORMATION: 10-342-301 : insertion of A
; NAME/KEY: misc_binding
; LOCATION: 481..500
; OTHER INFORMATION: 10-342-301.misl, potential
; NAME/KEY: primer_bind
; LOCATION: 201..220
; OTHER INFORMATION: upstream amplification primer
; NAME/KEY: primer_bind
; LOCATION: 606..623
; OTHER INFORMATION: downstream amplification primer, complement
; US-09-641-638-620

Query Match          5.5%; Score 28.4; DB 4; Length 1001;
Best Local Similarity 52.5%; Pred. No. 10;
Matches 62; Conservative 0; Mismatches 56; Indels 0; Gaps 0;

Qy 375 TTCTTCCTGTTATGACAGAGCTTGTGAACCTTTAACTGGGCTGGGCAAAAGTCAATCCCA 434
Db 976 TGCATGTTGTTCTTTAAAGGCTTGTGAAGATACTTGGAACTGTGGGAACACATAGATC 917
Qy 435 CCTTTATACATGAATTCCTGCAAGAGCGCTTTAAACCTGGAGCTGGCATGTTTAT 492
Db 916 CCAGAGTATTAAAGGGCTGGAAGAGTAGCCTTAAGACATGAATTATGTGCTTTTCAT 859

RESULT 13
US-09-641-638-621/c
; Sequence 621, Application US/09641638
; Patent No. 6432648
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Chumakov, Ilya
; APPLICANT: Cohen, Amick
; TITLE OF INVENTION: BIALLELIC MARKERS DERIVED FROM GENOMIC REGIONS CARRYING
; FILE REFERENCE: GENSET.051CPI
; CURRENT APPLICATION NUMBER: US/09/641.638
; CURRENT FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: US 09/502,330
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: US 60/133,200
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: US 09/275,267
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: US 60/119,917
; PRIOR FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 1304
; SOFTWARE: Patent.pm
; SEQ ID NO 621
; LENGTH: 1001
; TYPE: DNA
; ORGANISM: Homo Sapiens

; FILE REFERENCE: GENSET.051CPI
; CURRENT APPLICATION NUMBER: US/09/641.638
; CURRENT FILING DATE: 2000-08-16
; PRIOR APPLICATION NUMBER: US 09/502,330
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: US 60/133,200
; PRIOR FILING DATE: 1999-05-07
; PRIOR APPLICATION NUMBER: US 09/275,267
; PRIOR FILING DATE: 1999-03-23
; PRIOR APPLICATION NUMBER: US 60/119,917
; PRIOR FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 1304
; SOFTWARE: Patent.pm
; SEQ ID NO 620
; LENGTH: 1001
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 501
; OTHER INFORMATION: 10-342-301 : insertion of A
; NAME/KEY: misc_binding
; LOCATION: 481..500
; OTHER INFORMATION: 10-342-301.misl, potential
; NAME/KEY: primer_bind
; LOCATION: 201..220
; OTHER INFORMATION: upstream amplification primer
; NAME/KEY: primer_bind
; LOCATION: 606..623
; OTHER INFORMATION: downstream amplification primer, complement
; US-09-641-638-621

Query Match          5.5%; Score 28.4; DB 4; Length 1001;
Best Local Similarity 52.5%; Pred. No. 10;
Matches 62; Conservative 0; Mismatches 56; Indels 0; Gaps 0;

Qy 375 TTCTTCCTGTTATGACAGAGCTTGTGAACCTTTAACTGGGCTGGGCAAAAGTCAATCCCA 434
Db 976 TGCATGTTGTTCTTTAAAGGCTTGTGAAGATACTTGGAACTGTGGGAACACATAGATC 917
Qy 435 CCTTTATACATGAATTCCTGCAAGAGCGCTTTAAACCTGGAGCTGGCATGTTTAT 492
Db 916 CCAGAGTATTAAAGGGCTGGAAGAGTAGCCTTAAGACATGAATTATGTGCTTTTCAT 859

RESULT 14
US-09-052-089A-8/c
; Sequence 8, Application US/09052089A
; Patent No. 6346605
; GENERAL INFORMATION:
; APPLICANT: Lee, Soo Y.
; APPLICANT: Choi, Yongwon
; TITLE OF INVENTION: SIGNAL TRANSDUCER FOR THE TNF RECEPTOR SUPER
; FAMILY, AND USES THEREOF
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: David A. Jackson, Esq.
; STREET: 411 Hackensack Ave, Continental Plaza, 4th
; Floor
; CITY: Hackensack
; STATE: New Jersey
; COUNTRY: USA
; ZIP: 07601
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/052,089A
; FILING DATE: 31-Mar-1998
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Jackson Esq., David A.
; REGISTRATION NUMBER: 26,742
; REFERENCE/DOCKET NUMBER: 600-1-198 CIP 1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-487-5800
; TELEFAX: 201-343-1684
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1975 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
```

TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ORIGINAL SOURCE:
ORGANISM: mouse
SEQUENCE DESCRIPTION: SEQ ID NO: 8:
US-09-052-089A-8

Query Match
Best Local Similarity 5.5%; Score 28.4; DB 4; Length 1975;
Matches 92; Conservative 0; Mismatches 106; Indels 0; Gaps 0;

QY 274 CCTTTTGAAGACCTTGAAGTTGGCAACGACGAGAAACAGAACTCCACCCGTGGTCCGT 333
DB 481 CTTCTGTAGGACTCCACGGTAGCATTCCTTCCAGGGTGTCCCGTAGAGTGTGCA 422
QY 334 GAATTCACAGAGCTGTGTTGTTGTGACCATCTGCCCATTCCTTCCTGTTATGACAGA 393
DB 421 TAATGGCTGGCTGTCCCGTTCTCCCTGCTCTTCGGAAGAGCTGAGCTTTGACGCTGT 362
QY 394 GCTTGTGAACCTTAAGTGGGCAAGTGGGCAAGTCAATCCACGCTTTTATACAATGAATTGC 453
DB 361 CCAGTTTCATCTTTAAGAATTCGTCATCCAGACATTCCTCCTTCCTGGGCGAGGTCAA 302
QY 454 TGAAGAGGCCCTTTTAAA 471
DB 301 AGAAAAGTTGTTTATAA 284

RESULT 15

US-08-434-255-27/c
; Sequence 27, Application US/08434255
; Patent No. 5621089
; GENERAL INFORMATION:
; APPLICANT: Sloma, Alan P.
; APPLICANT: Outtrup, Helle
; APPLICANT: Dambmann, Claus
; APPLICANT: Aasiyng, Dorrit
; TITLE OF INVENTION: ALKALINE PROTEASE
; NUMBER OF SEQUENCES: 27
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 5621089o No. 5621089disk of No. 5621089th America, Inc.
; STREET: 405 Lexington Avenue, 64th Floor
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10174-6401
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/434,255
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Agis Dr., Cheryl H.
; REGISTRATION NUMBER: 34,086
; REFERENCE/DOCKET NUMBER: 3764.400-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-867-0123
; TELEFAX: 212-878-9655
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2017 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-434-255-27

Query Match
Best Local Similarity 5.5%; Score 28.4; DB 1; Length 2017;
Matches 92; Conservative 0; Mismatches 106; Indels 0; Gaps 0;

Matches 56; Conservative 0; Mismatches 46; Indels 0; Gaps 0;

QY 355 GGTTTGTGACCATCTGCCCATTCCTTCCTGTTATGACAGAGCTTGTGAACCTTTAACTGGGA 414
DB 423 GCITTTGTCAGAGCAGAACCTTGTGCCCTTTTGGATACACCATCTTTGAATTGACCATGA 364
QY 415 CTGGGGCAAAAGTCAATCCACCTTTATACAATGAATTGCTGA 456
DB 363 CTTCAACGGATTCGAAAAGCGCTTTATCCAAAAGTTTTCGTGA 322

Search completed: June 16, 2003, 14:00:02
Job time : 33.2544 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 16, 2003, 13:47:07 ; Search time 69.8225 Seconds
(without alignments)
10680.673 Million cell updates/sec

Title: US-09-445-201-1_COPY_10094_10608

Perfect score: 515

Sequence: 1 tttaaatgtcgtcttag.....aggcgttcttattgattcc 515

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1029858 seqs, 724030393 residues

Total number of hits satisfying chosen parameters: 2059716

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*
4: /cgn2_6/ptodata/2/pubpna/US06_PUBCOMB.seq.*
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14: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	511	99.2	511	10	US-09-738-968-35
2	39.4	7.7	735	9	US-09-938-842A-547
3	34	6.6	617	10	US-09-770-149-823
4	32.2	6.3	6405	9	US-09-832-292-26
5	31.8	6.2	930	9	US-10-198-846-12548
6	31.4	6.1	1484	9	US-09-764-868-429
7	31.4	6.1	249487	9	US-10-026-188-3
8	30.8	6.0	463	10	US-09-864-761-305
9	30.8	6.0	473	9	US-09-918-995-28190
10	30.6	6.0	772	10	US-09-956-004-41
11	30.6	5.9	314	10	US-09-905-129-1
12	30	5.8	8883	10	US-09-905-129-5
13	30	5.8	8883	10	US-09-905-129-7
14	30	5.8	8883	10	US-09-991-630-1
15	30	5.8	8883	10	US-09-991-630-5
16	30	5.8	8883	10	US-09-991-630-7
17	30	5.8	8883	10	US-09-991-630-7
18	29.8	5.8	2432	9	US-10-101-464A-7
19	29.6	5.7	440	9	US-10-184-644-442

c	20	29.6	5.7	440	9	US-10-184-634-442	Sequence 442, App
	21	29.6	5.7	455	9	US-09-918-995-28009	Sequence 28009, A
	22	29.6	5.7	568	10	US-09-879-536-751	Sequence 751, App
c	23	29.6	5.7	152331	9	US-10-095-407-16	Sequence 16, Appl
	24	29.4	5.7	1834	9	US-10-208-408-44	Sequence 44, Appl
	25	29	5.6	954	9	US-09-738-626-1210	Sequence 1210, App
c	26	29	5.6	1947	9	US-09-905-291A-184	Sequence 184, App
	27	29	5.6	1947	9	US-09-902-853-184	Sequence 184, App
c	28	29	5.6	1947	9	US-09-907-824-184	Sequence 184, App
	29	29	5.6	1947	9	US-09-907-841-184	Sequence 184, App
c	30	29	5.6	1947	9	US-09-904-011-184	Sequence 184, App
	31	29	5.6	1947	9	US-09-906-742-184	Sequence 184, App
c	32	29	5.6	1947	9	US-09-906-838-184	Sequence 184, App
	33	29	5.6	1947	9	US-09-907-613-184	Sequence 184, App
c	34	29	5.6	1947	9	US-09-907-942-184	Sequence 184, App
	35	29	5.6	1947	9	US-09-904-820-184	Sequence 184, App
c	36	29	5.6	1947	9	US-09-904-859-184	Sequence 184, App
	37	29	5.6	1947	9	US-09-909-204-184	Sequence 184, App
c	38	29	5.6	1947	9	US-09-904-786-184	Sequence 184, App
	39	29	5.6	1947	9	US-09-906-646-184	Sequence 184, App
c	40	29	5.6	1947	9	US-09-906-700-184	Sequence 184, App
	41	29	5.6	1947	9	US-09-902-903-184	Sequence 184, App
c	42	29	5.6	1947	9	US-09-903-749A-184	Sequence 184, App
	43	29	5.6	1947	9	US-09-903-786-184	Sequence 184, App
c	44	29	5.6	1947	9	US-09-902-736-184	Sequence 184, App
	45	29	5.6	1947	9	US-09-904-119-184	Sequence 184, App

ALIGNMENTS

RESULT 1

US-09-738-968-35
Sequence 35, Application US/09738968
Patent No. US20010037016A1
GENERAL INFORMATION:
APPLICANT: Zhang, Ning
APPLICANT: Purchio, Anthony
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR SCREENING FOR ANGIOGENESIS
FILE REFERENCE: 9400-0012.20
CURRENT APPLICATION NUMBER: US/09738, 968
CURRENT FILING DATE: 2001-05-11
PRIOR FILING DATE: 1999-12-16
NUMBER OF SEQ ID NOS: 45
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 35
LENGTH: 511
TYPE: DNA
ORGANISM: Mus sp.
US-09-738-968-35

Query Match	99.2%	Score 511	DB 10	Length 511
Best Local Similarity	100.0%	Pred. No. 5.7e168	Mismatches 0	Gaps 0
Matches 511	Conservative	0	Indels	0
QY	4	AAATGTGCTCTTITAGAACCCACTGCCTCAGCTTCTGCAGCTCAGATACCAAGGAAGT	63	
Db	1	AAATGTGCTCTTITAGAACCCACTGCCTCAGCTTCTGCAGCTCAGATACCAAGGAAGT	60	
QY	64	CTGGTACACAGCATGATAAAGACAATGGACGGGTTCAGATGGCTCCGCTCCCTTCA	123	
Db	61	CTGGTACACAGCATGATAAAGACAATGGACGGGTTCAGATGGCTCCGCTCCCTTCA	120	
QY	124	GGGATGGAGACGAGCTGTAGAGATGTCTCAGGAGTGTTCATTAATCAGCAATTT	183	
Db	121	GGGATGGAGACGAGCTGTAGAGATGTCTCAGGAGTGTTCATTAATCAGCAATTT	180	
QY	184	AGTCAGATCTGCATCCTATGCTTTACAAGAAATGTTCAGTGGGCTTCAGATCATCAGAT	243	
Db	181	AGTCAGATCTGCATCCTATGCTTTACAAGAAATGTTCAGTGGGCTTCAGATCATCAGAT	240	

QY 244 GGAGTTTCATCGGGTTTCAATGTCCTTGTGTAAGACCTTGAAGTTGGCAAGC 303
Db 241 GGAGTTTCATCGGGTTTCAATGTCCTTGTGTAAGACCTTGAAGTTGGCAAGC 300
QY 304 AGGAAACAGGAACCTCCACCTGTCGCGTGAATTCAGAGCTGTGTGGTTTGTGA 363
Db 301 AGGAAACAGGAACCTCCACCTGTCGCGTGAATTCAGAGCTGTGTGGTTTGTGA 360
QY 364 CCATCTGCCATCTTCTCTGTTATGACAGAGCTTGAACCTTAACTGGGACTGGGCA 423
Db 361 CCATCTGCCATCTTCTCTGTTATGACAGAGCTTGAACCTTAACTGGGACTGGGCA 420
QY 424 AGTCAATCCCACTTTATACAAATGAATTCGTAAGAGCCCTTTAAAACTTTGGAGTGGC 483
Db 421 AGTCAATCCCACTTTATACAAATGAATTCGTAAGAGCCCTTTAAAACTTTGGAGTGGC 480
QY 484 ATTGTTATGAAGGGCTTTCCTATTGGATC 514
Db 481 ATTGTTATGAAGGGCTTTCCTATTGGATC 511

RESULT 2

US-09-938-842A-547/c

; Sequence 547, Application US/09938842A

; Patent No. US20020160378A1

; GENERAL INFORMATION:

; APPLICANT: Harper, Jeff

; APPLICANT: Kreps, Joel

; APPLICANT: Wang, Xun

; APPLICANT: Zhu, Tong

; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING

; FILE REFERENCE: SAME, AND METHODS OF USE

; CURRENT APPLICATION NUMBER: US/09/938,842A

; PRIOR FILING DATE: 2001-08-24

; PRIOR FILING DATE: 2000-08-24

; PRIOR FILING DATE: 2001-01-16

; PRIOR FILING DATE: 2001-06-22

; NUMBER OF SEQ ID NOS: 5379

; SEQ ID NO 547

; LENGTH: 735

; TYPE: DNA

; ORGANISM: Arabidopsis thaliana

US-09-938-842A-547

Query Match

Best Local Similarity 7.7%; Score 39.4; DB 9; Length 735;

Matches 52; Conservative 0; Mismatches 21; Indels 0; Gaps 0;

QY 187 CAGATCTGTCATCTTACAGAAATGTGAGGCGCTCAGATCATCAGATGGA 246

Db 227 CAGCTCTGATCTTCAGCAACCAAAATGCGGTGGTCCAGTTTTCATCAGAAGGA 168

QY 247 GGTTCATCGGGTT 259

Db 167 GGTTCATAGGTTT 155

RESULT 3

US-09-770-149-823

; Sequence 823, Application US/09770149

; Patent No. US20020059663A1

; GENERAL INFORMATION:

; APPLICANT: Goriach, Jorn

; APPLICANT: An, Yong-Qiang

; APPLICANT: Hamilton, Carol M.

; APPLICANT: Price, Jennifer L.

; APPLICANT: Raines, Tracy M.

; APPLICANT: Yu, Yang

; APPLICANT: Rameaka, Joshua G.
; APPLICANT: Page, Amy
; APPLICANT: Matthew, Abraham V.
; APPLICANT: Ledford, Brooke L.
; APPLICANT: Woessner, Jeffrey P.
; APPLICANT: Haas, William David
; APPLICANT: Garcia, Carlos A.
; APPLICANT: Kriker, Maja
; APPLICANT: Slader, Ted
; APPLICANT: Davis, Keith R.
; APPLICANT: Allen, Keith
; APPLICANT: Hoffman, Neil
; APPLICANT: Hurban, Patrick
; TITLE OF INVENTION: Expressed Sequences of Arabidopsis
; FILE REFERENCE: 2024 (PARA-013PRV)
; CURRENT APPLICATION NUMBER: US/09/770,149
; PRIOR FILING DATE: 2001-01-26
; PRIOR FILING DATE: 2000-01-27
; NUMBER OF SEQ ID NOS: 999
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 823
; LENGTH: 617
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-770-149-823

Query Match

Best Local Similarity 6.6%; Score 34; DB 10; Length 617;

Matches 76; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

QY 203 ATGCTTTACAAGAAATGTGAGTGGCTGAGATCATCAGATGGAGGTTTCATCGGGTTTCA 262

Db 72 AAGCTATTGAGAAACATCTTCATGCAATGCTCCGTCGAGCAGCAGCTTGTGTA 131

QY 263 ATGTCCTGATCTTTTGTGAAGACCTTGAAGTTGGCAACGAGAAACAGGAACTCCAC 322

Db 132 GTTTCACAGGTTCTTCTTCGATTAACATTAAGATGTTATGAAGATTTGTCACACCCAG 191

QY 323 CCTGTGCGGTGAATTCGAGAGCTGT 348

Db 192 GTTTCGCTTTAATGCGCAACCTGT 217

RESULT 4

US-09-832-292-26

; Sequence 26, Application US/09832292

; Patent No. US20020177205A1

; GENERAL INFORMATION:

; APPLICANT: Ryazanov, Alexey

; TITLE OF INVENTION: MAMMALIAN ALPHA-KINASE PROTEINS, NUCLEIC ACIDS AND

; FILE REFERENCE: 601-1-098CIP

; CURRENT APPLICATION NUMBER: US/09/832,292

; PRIOR FILING DATE: 2001-04-10

; PRIOR FILING DATE: 2001-08-03

; NUMBER OF SEQ ID NOS: 45

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 26

; LENGTH: 6405

; TYPE: DNA

; ORGANISM: Homo sapiens

US-09-832-292-26

Query Match

Best Local Similarity 6.3%; Score 32.2; DB 9; Length 6405;

Matches 82; Conservative 0; Mismatches 83; Indels 0; Gaps 0;

QY 292 AGTTGGAACGAGGAAACAGGAACTCCACCTGTTGCGCTGAATTCGAGAGCTGTTGT 351

Db 2017 AGTTATGGAAGAGGAAAGAAACCAACCAAGATCAATTTGTAGACATTTGATGATG 2076

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 16, 2003, 13:37:06 ; Search time 97.6924 Seconds
(without alignments)
5794.976 Million cell updates/sec

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Perfect score: 1846
Sequence: 1 aactagatgtatgtata.....gctctaccggagcgtcgac 1846

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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6: /cgn2_6/ptodata/2/ina/backfiles1.seq: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	176.4	9.6	2431	3	US-08-985-526-35
2	176.4	9.6	5406	1	US-07-813-593-3
3	176.4	9.6	5406	1	US-07-977-451-5
4	176.4	9.6	5406	1	US-07-946-507-3
5	176.4	9.6	5406	1	US-08-252-517-5
6	176.4	9.6	5406	1	US-07-906-397A-5
7	176.4	9.6	5406	1	US-08-601-891-5
8	176.4	9.6	5406	1	US-09-021-324-5
9	176.4	9.6	5406	5	PCT-US92-02750-7
10	176.4	9.6	5406	5	PCT-US92-05401-5
11	176.4	9.6	5406	5	PCT-US92-09893-5
12	176.4	9.6	5470	2	US-08-443-861-1
13	176.4	9.6	5470	4	US-08-193-829B-1
14	101.8	5.5	2264	1	US-08-232-538-16
15	101.8	5.5	2264	2	US-08-786-164-16
16	101.8	5.5	2292	4	US-09-142-956B-1
17	101.8	5.5	2383	1	US-08-232-538-18
18	101.8	5.5	2383	2	US-08-786-164-18
19	101.8	5.5	4071	4	US-09-098-707A-1
20	101.8	5.5	4071	4	US-09-483-539-1
21	101.8	5.5	4236	1	US-08-810-116-7
22	101.8	5.5	4236	2	US-07-930-548A-7
23	68	3.7	7218	1	US-08-232-463-14
24	43.4	2.4	7218	1	US-08-232-463-14
25	39.4	2.1	289	4	US-09-007-005-17
26	39.4	2.1	289	4	US-09-244-796-17
27	36.6	2.0	2553	4	US-09-309-487-25

c 28	36.4	2.0	1293	4	US-09-078-294-10	Sequence 10, Appl
c 29	34.8	1.9	597	2	US-08-332-766A-19	Sequence 19, Appl
c 30	34.8	1.9	15977	4	US-09-608-285A-59	Sequence 59, Appl
c 31	34.8	1.9	28720	4	US-09-341-587-7	Sequence 7, Appl
c 32	34.6	1.9	2340	3	US-08-742-877-3	Sequence 3, Appl
c 33	34.6	1.9	2775	4	US-09-053-871A-22	Sequence 22, Appl
c 34	34.6	1.9	2802	3	US-08-742-877-1	Sequence 1, Appl
c 35	33.8	1.8	1377	2	US-08-810-572A-1	Sequence 1, Appl
c 36	33.8	1.8	1377	4	US-09-290-333-1	Sequence 1, Appl
c 37	33.6	1.8	6152	4	US-08-973-462-1	Sequence 1, Appl
c 38	33.4	1.8	1900	4	US-09-604-978-3	Sequence 3, Appl
c 39	33	1.8	1809	4	US-09-257-894-25	Sequence 25, Appl
c 40	33	1.8	1865	4	US-09-257-894-20	Sequence 20, Appl
c 41	33	1.8	2487	4	US-09-257-894-19	Sequence 19, Appl
c 42	33	1.8	2565	4	US-09-257-894-24	Sequence 24, Appl
c 43	33	1.8	2763	3	US-08-941-445A-16	Sequence 16, Appl
c 44	33	1.8	2772	4	US-09-257-894-12	Sequence 12, Appl
c 45	33	1.8	3166	4	US-09-341-587-8	Sequence 8, Appl

ALIGNMENTS

RESULT 1
US-08-985-526-35
; Sequence 35, Application US/08985526
; Patent No. 6080728
; GENERAL INFORMATION:
; APPLICANT: Mixson, James A
; TITLE OF INVENTION: CARRIER:DNA COMPLEXES CONTAINING DNA
; TITLE OF INVENTION: ENCODING ANTI-ANGIOGENIC PEPTIDES AND THEIR USE IN GENE
; TITLE OF INVENTION: THERAPY
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Connolly, Bove, Lodge, & Hutzel
; STREET: 1220 Market Street, P.O. Box 2207
; CITY: Wilmington
; STATE: Delaware
; COUNTRY: U.S.A.
; ZIP: 19899
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/985,526
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/608,845
; FILING DATE: 16-JUL-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: McMorris Jr., Robert G
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (302) 658-9141
; TELEFAX: (302) 658-5613
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2431 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-985-526-35

Query Match 9.6%; Score 176.4; DB 3; Length 2431;
Best Local Similarity 99.4%; Pred. No. 2.9e-44;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1669 TTTCAGGGGACAGCGGACCTGGAGCTGCTTGGCCCAATCCTCAGCGTGTGATCTGAGGA 1728
DB 163 TTGCAGGGGACAGCGGACCTGGAGCTGCTTGGCCCAATCCTCAGCGTGTGATCTGAGGA 222

QY 1729 AAGGGTATTGGTGAATGCGGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 1788
Db 223 AAGGGTATTGGTGAATGCGGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 282
QY 1789 TCCAGGGTGGTTGGAATGATGACTGGAGCCTACAAAGTGCCTGACCGGGACGTCGAC 1846
Db 283 TCCAGGGTGGTTGGAATGATGACTGGAGCCTACAAAGTGCCTGACCGGGACGTCGAC 340

RESULT 2
US-07-813-593-3
; Sequence 3, Application US/07813593
; Patent No. 5185438
; GENERAL INFORMATION:
; APPLICANT: Lemischka, Ihor R.
; TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
; TITLE OF INVENTION: RECEPTORS AND THEIR LIGANDS
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCLONE SYSTEMS INCORPORATED
; STREET: 180 VARICK STREET
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: U.S.A.
; ZIP: 10014
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/813,593
; FILING DATE: 19920415
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/793,065
; FILING DATE: 15-NOV-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/728,913
; FILING DATE: 28-JUN-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/679,666
; FILING DATE: 02-APR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Feit, Irving N.
; REGISTRATION NUMBER: 28,601
; REFERENCE/DOCKET NUMBER: LEM-3-PPP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-645-1405
; TELEFAX: 212-645-2054
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5406 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: CDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 208..4311
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 208..4308
US-07-813-593-3

Query Match 9.6%; Score 176.4; DB 1; Length 5406;
Best Local Similarity 99.4%; Pred. No. 4.7e-44;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1669 TTTCAGGGGACAGCGGACCTGGAGCTTTGGGCCCAATGCTCAGCGTGATTCGAGGA 1728
Db 363 TTGCAGGGGACAGCGGACCTGGAGCTTTGGGCCCAATGCTCAGCGTGATTCGAGGA 422

QY 1729 AAGGGTATTGGTGAATGCGGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 1788
Db 423 AAGGGTATTGGTGAATGCGGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 482
QY 1789 TCCAGGGTGGTTGGAATGATGACTGGAGCCTACAAAGTGCCTGACCGGGACGTCGAC 1846
Db 483 TCCAGGGTGGTTGGAATGATGACTGGAGCCTACAAAGTGCCTGACCGGGACGTCGAC 540

RESULT 3
US-07-977-451-5
; Sequence 5, Application US/07977451
; Patent No. 5270458
; GENERAL INFORMATION:
; APPLICANT: Lemischka, Ihor R.
; TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
; TITLE OF INVENTION: RECEPTORS AND THEIR LIGANDS
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Imclone Systems Incorporated
; STREET: 180 Varick Street
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10014
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/977,451
; FILING DATE: 19921119
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US UNASSIGNED
; FILING DATE: 12-NOV-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/906,397
; FILING DATE: 26-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US PCT/US92/05401
; FILING DATE: 26-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: TW 81102961
; FILING DATE: 15-APR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US PCT/US92/02750
; FILING DATE: 02-APR-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/813,593
; FILING DATE: 24-DEC-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/793,065
; FILING DATE: 15-NOV-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/728,913
; FILING DATE: 28-JUN-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/679,666
; FILING DATE: 02-APR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Feit, Irving N.
; REGISTRATION NUMBER: 28,601
; REFERENCE/DOCKET NUMBER: LEM-3-7P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-645-1405
; TELEFAX: 212-645-2054
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5406 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: double

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; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
; FEATURE:
;   NAME/KEY: CDS
;   LOCATION: 208..4311
; FEATURE:
;   NAME/KEY: mat_peptide
;   LOCATION: 265..4308
; FEATURE:
;   NAME/KEY: sig_peptide
;   LOCATION: 208..264
;
US-07-977-451-5

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Query Match          9.6%; Score 176.4; DB 1; Length 5406;
Best Local Similarity 99.4%; Pred. No. 4.7e-44;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1669 TTTCAGGGGACAGCGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCTGAGGA 1728
    |||||||
Db 363 TTTCAGGGGACAGCGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCTGAGGA 422

QY 1729 AAGGGTATTGGTGACTGAATGCGGGGTTGGTGACAGTATCTTCTGCAAAACACTCACCAT 1788
    |||||||
Db 423 AAGGGTATTGGTGACTGAATGCGGGGTTGGTGACAGTATCTTCTGCAAAACACTCACCAT 482

QY 1789 TCCCAGGGGTTGGAAATGATGACTGGAGCCTACAGTCTCGTACCGGGAGCTGCAC 1846
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Db 483 TCCCAGGGGTTGGAAATGATGACTGGAGCCTACAGTCTCGTACCGGGAGCTGCAC 540

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RESULT 4

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US-07-946-507-3
; Sequence 3, Application US/07946507
; Patent No. 5283354
; GENERAL INFORMATION:
; APPLICANT: Lemischka, Ihor R.
; TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
; TITLE OF INVENTION: RECEPTORS AND THEIR LIGANDS
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ImClone Systems Incorporated
; STREET: 180 VARICK STREET
; CITY: NEW YORK
; STATE: NEW YORK
; COUNTRY: U.S.A.
; ZIP: 10014
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; FILING DATE: 19920917
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/946,507
; FILING DATE: 24-DEC-1991
; APPLICATION NUMBER: US/07/813,593
; FILING DATE: 15-NOV-1991
; APPLICATION NUMBER: US/07/793,065
; FILING DATE: 15-NOV-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/728,913
; FILING DATE: 28-JUN-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/679,666
; FILING DATE: 02-APR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Felt, Irving N.
; REGISTRATION NUMBER: 28,601

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; REFERENCE/DOCKET NUMBER: LEM-3-PPP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-645-1405
; TELEFAX: 212-645-2054
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 5406 base pairs
;   TYPE: NUCLEIC ACID
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: cDNA
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: 208..4311
;   FEATURE:
;   NAME/KEY: mat_peptide
;   LOCATION: 208..4308
;
US-07-946-507-3

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Query Match          9.6%; Score 176.4; DB 1; Length 5406;
Best Local Similarity 99.4%; Pred. No. 4.7e-44;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1669 TTTCAGGGGACAGCGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCTGAGGA 1728
    |||||||
Db 363 TTTCAGGGGACAGCGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCTGAGGA 422

QY 1729 AAGGGTATTGGTGACTGAATGCGGGGTTGGTGACAGTATCTTCTGCAAAACACTCACCAT 1788
    |||||||
Db 423 AAGGGTATTGGTGACTGAATGCGGGGTTGGTGACAGTATCTTCTGCAAAACACTCACCAT 482

QY 1789 TCCCAGGGGTTGGAAATGATGACTGGAGCCTACAGTCTCGTACCGGGAGCTGCAC 1846
    |||||||
Db 483 TCCCAGGGGTTGGAAATGATGACTGGAGCCTACAGTCTCGTACCGGGAGCTGCAC 540

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RESULT 5

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US-08-252-517-5
; Sequence 5, Application US/08252517
; Patent No. 5548065
; GENERAL INFORMATION:
; APPLICANT: Lemischka, Ihor R.
; TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
; TITLE OF INVENTION: RECEPTORS AND THEIR LIGANDS
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ImClone Systems Incorporated
; STREET: 180 Varick Street
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10014
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/252,517
; FILING DATE: 31-OCT-1994
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/977,451
; FILING DATE: 19-NOV-1992
; APPLICATION NUMBER: US 07/906,397
; FILING DATE: 26-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US PCT/US92/05401
; FILING DATE: 26-JUN-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: TW 81102961
; FILING DATE: 15-APR-1992

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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US PCT/US92/02750
FILING DATE: 02-APR-1992
PRIOR APPLICATION DATA: US 07/813,593
FILING DATE: 24-DEC-1991
PRIOR APPLICATION DATA: US 07/793,065
FILING DATE: 15-NOV-1991
PRIOR APPLICATION DATA: US 07/728,913
FILING DATE: 28-JUN-1991
PRIOR APPLICATION DATA: US 07/679,666
FILING DATE: 02-APR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Feit, Irving N.
REGISTRATION NUMBER: 28,601
REFERENCE/DOCKET NUMBER: LEM-3-7P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-645-1405
TELEFAX: 212-645-2054
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 5406 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
FEATURE:
NAME/KEY: CDS
LOCATION: 208..4311
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 265..4308
FEATURE:
NAME/KEY: sig_peptide
LOCATION: 208..264
US-08-252-517-5

Query Match 9.6%; Score 176.4; DB 1; Length 5406;
Best Local Similarity 99.4%; Pred. No. 4.7e-44;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1669 TTTCAGGGGACAGCGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCAGGA 1728
|||
Db 363 TTGCAGGGGACAGCGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCAGGA 422
|||
QY 1729 AAGGGTATTGGTGACTGAATGCGGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 1788
|||
Db 423 AAGGGTATTGGTGACTGAATGCGGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 482
|||
QY 1789 TCCCAGGGTGGTGGAAATGATACCTAGAGCCTACAAAGTCTGCTACCGGACGTCGAC 1846
|||
Db 483 TCCCAGGGTGGTGGAAATGATACCTAGAGCCTACAAAGTCTGCTGCTACCGGACGTCGAC 540
|||

RESULT 6
US-07-906-397A-5
Sequence 5, Application US/07906397A
Patent No. 5621090
GENERAL INFORMATION:

APPLICANT: Lemischka, Ibor R.
TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
TITLE OF INVENTION: RECEPTORS AND THEIR LIGANDS
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: IMCLONE SYSTEMS INCORPORATED
STREET: 180 VARICK STREET
CITY: NEW YORK

STATE: NEW YORK
COUNTRY: U.S.A.
ZIP: 10014
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/906,397A
FILING DATE: 19920626
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/813,593
FILING DATE: 24-DEC-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/793,065
FILING DATE: 15-NOV-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/728,913
FILING DATE: 28-JUN-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/679,666
FILING DATE: 02-APR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Feit, Irving N.
REGISTRATION NUMBER: 28,601
REFERENCE/DOCKET NUMBER: LEM-3-PPPPPP
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-645-1405
TELEFAX: 212-645-2054
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 5406 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
FEATURE:
NAME/KEY: CDS
LOCATION: 208..4311
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 208..4308
US-07-906-397A-5

Query Match 9.6%; Score 176.4; DB 1; Length 5406;
Best Local Similarity 99.4%; Pred. No. 4.7e-44;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1669 TTTCAGGGGACAGCGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCAGGA 1728
|||
Db 363 TTGCAGGGGACAGCGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCAGGA 422
|||
QY 1729 AAGGGTATTGGTGACTGAATGCGGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 1788
|||
Db 423 AAGGGTATTGGTGACTGAATGCGGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 482
|||
QY 1789 TCCCAGGGTGGTGGAAATGATACCTAGAGCCTACAAAGTCTGCTACCGGACGTCGAC 1846
|||
Db 483 TCCCAGGGTGGTGGAAATGATACCTAGAGCCTACAAAGTCTGCTACCGGACGTCGAC 540
|||

RESULT 7
US-08-601-891-5
Sequence 5, Application US/08601891
Patent No. 5747651
GENERAL INFORMATION:
APPLICANT: Lemischka, Ibor R.
TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL

```

1  TITLE OF INVENTION:  RECEPTORS AND THEIR LIGANDS
2  NUMBER OF SEQUENCES:  10
3  CORRESPONDENCE ADDRESS:
4  ADDRESSEE:  ImClone Systems Incorporated
5  STREET:  180 Varick Street
6  CITY:  New York
7  STATE:  New York
8  COUNTRY:  U.S.A.
9  ZIP:  10014
10 COMPUTER READABLE FORM:
11 MEDIUM TYPE:  Floppy disk
12 COMPUTER:  IBM PC compatible
13 OPERATING SYSTEM:  PC-DOS/MS-DOS
14 SOFTWARE:  PatentIn Release #1.0, Version #1.25
15 CURRENT APPLICATION DATA:
16 APPLICATION NUMBER:  US/08/601,891
17 FILING DATE:  15-FEB-1996
18 CLASSIFICATION:  530
19 PRIOR APPLICATION DATA:
20 APPLICATION NUMBER:  US 07/977,451
21 FILING DATE:  19-NOV-1992
22 PRIOR APPLICATION DATA:
23 APPLICATION NUMBER:  US 07/906,397
24 FILING DATE:  26-JUN-1992
25 PRIOR APPLICATION DATA:
26 APPLICATION NUMBER:  US PCT/US92/05401
27 FILING DATE:  26-JUN-1992
28 PRIOR APPLICATION DATA:
29 APPLICATION NUMBER:  TW 81102961
30 FILING DATE:  15-APR-1992
31 PRIOR APPLICATION DATA:
32 APPLICATION NUMBER:  US PCT/US92/02750
33 FILING DATE:  02-APR-1992
34 PRIOR APPLICATION DATA:
35 APPLICATION NUMBER:  US 07/813,593
36 FILING DATE:  24-DEC-1991
37 PRIOR APPLICATION DATA:
38 APPLICATION NUMBER:  US 07/793,065
39 FILING DATE:  15-NOV-1991
40 PRIOR APPLICATION DATA:
41 APPLICATION NUMBER:  US 07/728,913
42 FILING DATE:  28-JUN-1991
43 PRIOR APPLICATION DATA:
44 APPLICATION NUMBER:  US 07/679,666
45 FILING DATE:  02-APR-1991
46 ATTORNEY/AGENT INFORMATION:
47 NAME:  Feit, Irving N.
48 REGISTRATION NUMBER:  28,601
49 REFERENCE/DOCKET NUMBER:  LEM-3-7P
50 TELECOMMUNICATION INFORMATION:
51 TELEPHONE:  212-645-1405
52 TELEFAX:  212-645-2054
53 INFORMATION FOR SEQ ID NO:  5:
54 SEQUENCE CHARACTERISTICS:
55 LENGTH:  5406 base pairs
56 TYPE:  nucleic acid
57 STRANDEDNESS:  double
58 TOPOLOGY:  linear
59 MOLECULE TYPE:  cDNA
60 HYPOTHETICAL:  NO
61 ANTI-SENSE:  NO
62 FRAGMENT TYPE:  N-terminal
63 FEATURE:
64 NAME/KEY:  CDS
65 LOCATION:  208..4311
66 FEATURE:
67 NAME/KEY:  mat_peptide
68 LOCATION:  265..4308
69 FEATURE:
70 NAME/KEY:  sig_peptide
71 LOCATION:  208..264
72 IS-08-601-891-5

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Query Match          9.5%; Score 176.4; DB 1; Length 5406;
Best Local Similarity 99.4%; Pred. No. 4.7e-44;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1669  TTTTCAGGGACACAGCGGGACCTGGACTGGCTTTTGGCCCAATGCTCAGCGTGATTTCTCAGGA 1728
           |||||||
Db       363  TTTCAGGGACACAGCGGGACCTGGACTGGCTTTTGGCCCAATGCTCAGCGTGATTTCTCAGGA 422
           |||||||
QY      1729  AAGGGTATTGGTGACTGAATGCGGGGGTGGTGACAGTAGTATCTTCTGCAAAACACTCACCAT 1788
           |||||||
Db       423  AAGGGTATTGGTGACTGAATGCGGGGGTGGTGACAGTAGTATCTTCTGCAAAACACTCACCAT 482
           |||||||
QY      1789  TCCCAGGGTGGTTGGAATGATCTGGAGCCCTACAGTCTCGTACCGGGACGTCGAC 1846
           |||||||
Db       483  TCCCAGGGTGGTTGGAATGATCTGGAGCCCTACAGTCTCGTACCGGGACGTCGAC 540

RESULT 8
US-09-021-324-5
: Sequence 5, Application US/09021324
: Patent No. 5912133
: GENERAL INFORMATION:
: APPLICANT: Lemischka, Ihor R.
: TITLE OF INVENTION: TORIPOENT HEMATOPOIETIC STEM CELL
: TITLE OF INVENTION: RECEPTORS AND THEIR LIGANDS
: NUMBER OF SEQUENCES: 10
: CORRESPONDENCE ADDRESS:
: ADDRESSER: ImClone Systems Incorporated
: STREET: 180 Varick Street
: CITY: New York
: STATE: New York
: COUNTRY: U.S.A.
: ZIP: 10014
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/021,324
: FILING DATE:
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US/07/977,451
: FILING DATE: 1992-11-19
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US/07/906,397
: FILING DATE: 26-JUN-1992
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US PCT/US92/05401
: FILING DATE: 26-JUN-1992
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: TW 81102961
: FILING DATE: 15-APR-1992
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US PCT/US92/02750
: FILING DATE: 02-APR-1992
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/813,593
: FILING DATE: 24-DEC-1991
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/793,065
: FILING DATE: 15-NOV-1991
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/728,913
: FILING DATE: 28-JUN-1991
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/679,666
: FILING DATE: 02-APR-1991
: ATTORNEY/AGENT INFORMATION:
: NAME: Feit, Irving N.
: REGISTRATION NUMBER: 28,601
: REFERENCE/DOCKET NUMBER: LEW-3-7P

```

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-645-1405

TELEFAX: 212-645-2054

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 5406 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

MOLECULE TYPE: cDNA

HYPOTHETICAL: NO

ANTI-SENSE: NO

FRAGMENT TYPE: N-terminal

FEATURE:

NAME/KEY: CDS

LOCATION: 208..4311

FEATURE:

NAME/KEY: mat_peptide

LOCATION: 265..4308

FEATURE:

NAME/KEY: sig_peptide

LOCATION: 208..264

US-09-021-324-5

Query Match

Best Local Similarity 9.6%; Score 176.4; DB 2; Length 5406;

Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1669 TTTCAGGGGACAGCGGACCTGGACTGGCTTTGGCCCCAATGCTCAGCGTGATCTTGAGGA 1728
|||
DB 363 TTGCAGGGGACAGCGGACCTGGACTGGCTTTGGCCCCAATGCTCAGCGTGATCTTGAGGA 422
|||
QY 1729 AAGGGTATTGGTGACTGAATGCGCGGCTGAGAGTATCTTCTGCAAAACACTCACCAT 1788
|||
DB 423 AAGGGTATTGGTGACTGAATGCGCGGCTGAGAGTATCTTCTGCAAAACACTCACCAT 482
|||
QY 1789 TCCAGGGTGTGGAAATGATCTGAGCGCTACAAAGTCTCGTACCGGGAGCTCGAC 1846
|||
DB 483 TCCAGGGTGTGGAAATGATCTGAGCGCTACAAAGTCTCGTACCGGGAGCTCGAC 540

RESULT 9

PCT-US92-02750-7

Sequence 7, Application PC/TUS9202750

GENERAL INFORMATION:

APPLICANT: LEMISCHKA, IHOR R.

TITLE OF INVENTION: Totipotent Hematopoietic Stem Cell

TITLE OF INVENTION: Receptors And Their Ligands

NUMBER OF SEQUENCES: 8

CORRESPONDENCE ADDRESS:

ADDRESSEE: IMCLONE SYSTEMS INCORPORATED

STREET: 180 VARICK STREET

CITY: NEW YORK

STATE: NEW YORK

COUNTRY: US

ZIP: 10014

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US92/02750

FILING DATE: 19920402

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: FEIT, IRVING N.

REGISTRATION NUMBER: 28,601

REFERENCE/DOCKET NUMBER: LEM-3-PPPTT

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-645-1405

TELEFAX: 212-645-2054

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:

LENGTH: 5406 base pairs

TYPE: NUCLEIC ACID

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

FEATURE:

NAME/KEY: CDS

LOCATION: 208..4311

FEATURE:

NAME/KEY: mat_peptide

LOCATION: 208..4308

PCT-US92-02750-7

Query Match

Best Local Similarity 9.6%; Score 176.4; DB 5; Length 5406;

Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1669 TTTCAGGGGACAGCGGACCTGGACTGGCTTTGGCCCCAATGCTCAGCGTGATCTTGAGGA 1728
|||
DB 363 TTGCAGGGGACAGCGGACCTGGACTGGCTTTGGCCCCAATGCTCAGCGTGATCTTGAGGA 422
|||
QY 1729 AAGGGTATTGGTGACTGAATGCGCGGCTGAGAGTATCTTCTGCAAAACACTCACCAT 1788
|||
DB 423 AAGGGTATTGGTGACTGAATGCGCGGCTGAGAGTATCTTCTGCAAAACACTCACCAT 482
|||
QY 1789 TCCAGGGTGTGGAAATGATCTGAGCGCTACAAAGTCTCGTACCGGGAGCTCGAC 1846
|||
DB 483 TCCAGGGTGTGGAAATGATCTGAGCGCTACAAAGTCTCGTACCGGGAGCTCGAC 540

RESULT 10

PCT-US92-05401-5

Sequence 5, Application PC/TUS9205401

GENERAL INFORMATION:

APPLICANT: Lemischka, Ihor R.

TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL

TITLE OF INVENTION: RECEPTORS AND THEIR LIGANDS

NUMBER OF SEQUENCES: 6

CORRESPONDENCE ADDRESS:

ADDRESSEE: IMCLONE SYSTEMS INCORPORATED

STREET: 180 VARICK STREET

CITY: NEW YORK

STATE: NEW YORK

COUNTRY: U.S.A.

ZIP: 10014

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US92/05401

FILING DATE: 19920626

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Feit, Irving N.

REGISTRATION NUMBER: 28,601

REFERENCE/DOCKET NUMBER: LEM-3-PPPPPT

TELECOMMUNICATION INFORMATION:

TELEPHONE: 212-645-1405

TELEFAX: 212-645-2054

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 5406 base pairs

TYPE: NUCLEIC ACID

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

FEATURE:

NAME/KEY: CDS

LOCATION: 208..4311

FEATURE:

NAME/KEY: mat_peptide
LOCATION: 208..4308
PCT-US92-05401-5

Query Match 9.6%; Score 176.4; DB 5; Length 5406;
Best Local Similarity 99.4%; Pred. No. 4.7e-44;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1669 TTTCCAGGGGACAGCGGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCGTGAGGA 1728
|||
Db 363 TTGACGGGACAGCGGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCGTGAGGA 422
|||

QY 1729 AAGGCTATTTGGTGTGACTGAATGCGGGGTTGTCACAGTATCTTCTGCAAAACACTCACCAT 1788
|||
Db 423 AAGGCTATTTGGTGTGACTGAATGCGGGGTTGTCACAGTATCTTCTGCAAAACACTCACCAT 482
|||

QY 1789 TCCAGGGTGGTTCGAAATGATCTGGAGCCTACAAGTGCCTACCGGGACGTCGAC 1846
|||
Db 483 TCCAGGGTGGTTCGAAATGATCTGGAGCCTACAAGTGCCTACCGGGACGTCGAC 540

RESULT 11

Sequence 5, Application PC/TUS9209893
GENERAL INFORMATION:
APPLICANT: Lemischka, Ihor R.
TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
TITLE OF INVENTION: RECEPTORS AND THEIR LIGANDS
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: ImClone Systems Incorporated
STREET: 180 Varlick Street
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10014

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US92/09893
FILING DATE: 19921116
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Feit, Irving N.
REGISTRATION NUMBER: 28,601
REFERENCE/DOCKET NUMBER: LEM-3-7PT
TELEPHONE: 212-645-1405
TELEFAX: 212-645-2054
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 5406 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: Double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal

FEATURE:
NAME/KEY: CDS
LOCATION: 208..4311
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 265..4308
FEATURE:
NAME/KEY: sig_peptide
LOCATION: 208..264
PCT-US92-09893-5

Query Match 9.6%; Score 176.4; DB 5; Length 5406;
Best Local Similarity 99.4%; Pred. No. 4.7e-44;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1669 TTTCCAGGGGACAGCGGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCGTGAGGA 1728
|||
Db 363 TTGACGGGACAGCGGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCGTGAGGA 422
|||

QY 1729 AAGGCTATTTGGTGTGACTGAATGCGGGGTTGTCACAGTATCTTCTGCAAAACACTCACCAT 1788
|||
Db 423 AAGGCTATTTGGTGTGACTGAATGCGGGGTTGTCACAGTATCTTCTGCAAAACACTCACCAT 482
|||

QY 1789 TCCAGGGTGGTTCGAAATGATCTGGAGCCTACAAGTGCCTACCGGGACGTCGAC 1846
|||
Db 483 TCCAGGGTGGTTCGAAATGATCTGGAGCCTACAAGTGCCTACCGGGACGTCGAC 540

RESULT 12

Sequence 1, Application US/08443861
Patent No. 5851999
GENERAL INFORMATION:
APPLICANT: Ullrich, Axel
APPLICANT: Risau, Werner
APPLICANT: Millaue, Birgit
APPLICANT: Gazit, Aviv
APPLICANT: Levitzki, Alex
TITLE OF INVENTION: Flk-1 Is A Receptor For Vascular
TITLE OF INVENTION: Endothelial Growth Factor
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/443,861
FILING DATE: 22-MAY-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/193,829
FILING DATE: 09-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-060
TELEPHONE: (212)790-9090
TELEFAX: (212)869-9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 5470 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: DNA
FEATURE:
NAME/KEY: CDS
LOCATION: 286..4386
US-08-443-861-1

Query Match 9.6%; Score 176.4; DB 2; Length 5470;
Best Local Similarity 99.4%; Pred. No. 4.8e-44;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1669 TTTCAGGGGACAGGGGACCTGGAGCTGCTTTGGCCCAATGCTACAGCTGATTCAGGA 1728
|||
Db 441 TTGCAGGGGACAGGGGACCTGGAGCTGCTTTGGCCCAATGCTACAGCTGATTCAGGA 500
QY 1729 AAGGGTATTGGTGACTGAATCGCGGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 1788
|||
Db 501 AAGGGTATTGGTGACTGAATCGCGGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 560
QY 1789 TCCAGAGTGGTTGGAATGATACTGGAGCCTACAAAGTGGTGGTACCGGAGCTGCAC 1846
|||
Db 561 TCCAGAGTGGTTGGAATGATACTGGAGCCTACAAAGTGGTGGTACCGGAGCTGCAC 618

RESULT 13

US-08-193-829B-1
; Sequence 1, Application US/08193829B
; Patent No. 6177401
; GENERAL INFORMATION:
; APPLICANT: Ullrich, Axel
; APPLICANT: Risau, Werner
; APPLICANT: Millauer, Birgit
; APPLICANT: Gazit, Aviv
; APPLICANT: Levitzki, Alex
; TITLE OF INVENTION: Flk-1 Is A Receptor For Vascular
; TITLE OF INVENTION: Endothelial Growth Factor
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/193,829B
; FILING DATE: 09-FEB-1994
; CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-060
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212)790-9090
; TELEFAX: (212)869-9741

TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 1:
; LENGTH: 5470 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: DNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 286...4386

US-08-193-829B-1

Query Match 9.6%; Score 176.4; DB 4; Length 5470;
Best Local Similarity 99.4%; Pred. No. 4.8e-44;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1669 TTTCAGGGGACAGGGGACCTGGAGCTGCTTTGGCCCAATGCTACAGCTGATTCAGGA 1728
|||
Db 441 TTGCAGGGGACAGGGGACCTGGAGCTGCTTTGGCCCAATGCTACAGCTGATTCAGGA 500
QY 1729 AAGGGTATTGGTGACTGAATCGCGGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 1788
|||
Db 501 AAGGGTATTGGTGACTGAATCGCGGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 560

QY 1789 TCCAGAGTGGTTGGAATGATACTGGAGCCTACAAAGTGGTGGTACCGGAGCTGCAC 1846
|||
Db 561 TCCAGAGTGGTTGGAATGATACTGGAGCCTACAAAGTGGTGGTACCGGAGCTGCAC 618

RESULT 14

US-08-232-538-16
; Sequence 16, Application US/08232538
; Patent No. 5712380
; GENERAL INFORMATION:
; APPLICANT: Thomas, Kenneth A.
; APPLICANT: Kendall, Richard L.
; TITLE OF INVENTION: INHIBITOR OF VASCULAR ENDOTHELIAL CELL
; TITLE OF INVENTION: GROWTH FACTOR
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000 126 E Lincoln Avenue
; CITY: Rahway
; STATE: NJ
; COUNTRY: USA
; ZIP: 07065-0907
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,538
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Wallen, John W.III
; REGISTRATION NUMBER: 35,403
; REFERENCE/DOCKET NUMBER: 18888IA
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908) 594-3905
; TELEFAX: (908) 594-4720
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2264 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-232-538-16

Query Match 5.5%; Score 101.8; DB 1; Length 2264;
Best Local Similarity 73.4%; Pred. No. 3.3e-21;
Matches 146; Conservative 0; Mismatches 47; Indels 6; Gaps 1;

QY 1648 TGATATCTTCCTCGAATACCTTTTTCAGGGGACAGCGGAGCTGGACTGGCTTTGGCCCAA 1707
|||
Db 404 TAATACAACTCTTCAAAATTTACTTCAGGGGACAGCGGAGCTGGACTGGCTTTGGCCCAA 463
QY 1708 TGCTACAGCTGATTCAGGAAAGGGTATTGGTGACTGAATCGCGCGTGGTGACAGTAT 1767
|||
Db 464 TAATCAGAGTGGCAGTCAGCAAGGGTGGAGGTGACTGAGTGACAGCATG-----GCCT 517
QY 1768 CTCTCGAAAACACTCACCATTCCAGGGTGGTGGGAAATGATATCTGGAGCTCACAAGTG 1827
|||
Db 518 CTCTGTGAAGACACTCACAATTCAAAAGTGAATCGGAAATGACACTGGAGCTCACAAGTG 577
QY 1828 CTCGTACCGGAGCTGCAC 1846
|||
Db 578 CTCTACCGGAAACTGAC 596

RESULT 15

US-08-786-164-16
; Sequence 16, Application US/08786164
; Patent No. 5861484

Search completed: June 16, 2003, 14:00:03
Job time : 98.6924 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: June 16, 2003, 13:47:07 ; Search time 250.276 seconds
(without alignments)
10680.673 Million cell updates/sec

Title: US-09-445-201-1_COPY_11000_12845

Perfect score: 1846

Sequence: 1 aaactagcatgaattgata.....gtcgtaccggagcgtgcac 1846

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 1029858 seqs, 724030393 residues

Total number of hits satisfying chosen parameters: 2059716

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published_Applications_NA:*

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13:	/cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq:*
14:	/cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	176.4	9.6	2431	12	US-10-036-869-35
2	176.4	9.6	5406	10	US-09-919-408-5
3	176.4	9.6	5406	10	US-09-872-136-5
4	176.4	9.6	5470	9	US-09-967-655-10
5	176.4	9.6	5470	10	US-09-766-678-1
6	101.8	5.5	4071	9	US-10-022-939-1
7	101.8	5.5	4071	9	US-10-100-405A-1
8	101.8	5.5	5830	9	US-09-967-655-3
9	48.4	2.6	671	9	US-10-184-644-346
10	48.4	2.6	671	9	US-10-184-634-346
c 11	43.8	2.4	1849	9	US-09-776-724A-47
12	41.2	2.2	12194	9	US-10-091-438-283
13	40.4	2.2	177556	9	US-09-952-213D-6
c 14	40	2.2	9717	9	US-10-092-154-1581
c 15	40	2.2	9717	10	US-09-764-891-5983
c 16	38.8	2.2	9717	10	US-09-764-847-1581
c 17	38.8	2.1	110079	9	US-10-175-523-96
18	38.6	2.1	13606	9	US-10-239-676-166
19	38.4	2.1	42999	9	US-09-799-462A-17

20	38.4	2.1	42999	9	US-10-125-767-17	Sequence 17, Appl
21	38.4	2.1	42999	9	US-09-836-911A-17	Sequence 17, Appl
22	38.4	2.1	42999	9	US-10-151-081-17	Sequence 17, Appl
23	38.4	2.1	42999	9	US-10-287-313-17	Sequence 17, Appl
c 24	38.2	2.1	1613	10	US-09-731-872-176	Sequence 176, App
25	38	2.1	6158	9	US-10-239-676-24	Sequence 24, Appl
26	37.8	2.0	145831	10	US-09-969-708-79	Sequence 79, Appl
27	37.8	2.0	145831	10	US-09-954-456-2116	Sequence 2116, Ap
c 28	37.6	2.0	183337	9	US-10-020-141-5	Sequence 5, Appli
29	36.8	2.0	802	9	US-10-184-644-312	Sequence 312, App
30	36.8	2.0	802	9	US-10-184-634-312	Sequence 312, App
c 31	36.6	2.0	552	9	US-10-198-846-8622	Sequence 8622, Ap
c 32	36.4	2.0	1293	9	US-09-728-552-10	Sequence 10, Appl
c 33	36.2	2.0	594	9	US-10-123-155-10	Sequence 10, Appl
c 34	36	2.0	1693	10	US-09-867-550-1669	Sequence 1669, Ap
c 35	36	2.0	7317	9	US-10-239-676-47	Sequence 47, Appl
c 36	36	2.0	640681	10	US-09-790-988-1	Sequence 1, Appli
c 37	36	2.0	1691139	9	US-10-067-514-1	Sequence 1, Appli
c 38	35.8	1.9	373	10	US-09-867-701-4388	Sequence 4388, Ap
c 39	35.8	1.9	423	10	US-09-867-701-10306	Sequence 10306, A
c 40	35.8	1.9	437	9	US-09-918-995-19631	Sequence 19631, A
c 41	35.8	1.9	479	9	US-09-918-995-20429	Sequence 20429, A
c 42	35.8	1.9	606	10	US-09-954-456-606	Sequence 606, App
c 43	35.8	1.9	2000	9	US-09-938-842A-2789	Sequence 2789, Ap
c 44	35.8	1.9	335913	9	US-09-754-853A-2	Sequence 2, Appli
c 45	35.8	1.9	335913	9	US-09-754-853A-3	Sequence 3, Appli

ALIGNMENTS

RESULT 1

US-10-036-869-35

; Sequence 35, Application US/10036869

; Patent No. US2002015116A1

; GENERAL INFORMATION:

; APPLICANT: Mixson, James A

; TITLE OF INVENTION: CARRIER:DNA COMPLEXES CONTAINING DNA

; ENCODING ANTI-ANGIOGENIC PEPTIDES AND THEIR USE IN GENE

; NUMBER OF SEQUENCES: 43

; CORRESPONDENCE ADDRESS:

; ADDRESS: Connolly, Bove, Lodge, & Hutz

; STREET: 1220 Market Street, P.O. Box 2207

; CITY: Wilmington

; STATE: Delaware

; COUNTRY: U.S.A.

; ZIP: 19899

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/10/036,869

; FILING DATE: 29-No. US2002015116A1-2001

; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/08/985,526

; FILING DATE: <Unknown>

; APPLICATION NUMBER: US 08/608,845

; FILING DATE: 16-JUL-1996

; ATTORNEY/AGENT INFORMATION:

; NAME: McMorow Jr., Robert G

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (302) 658-9141

; TELEFAX: (302) 658-5613

; INFORMATION FOR SEQ ID NO: 35:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 2431 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

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; SEQUENCE DESCRIPTION: SEQ ID NO: 35:
US-10-036-869-35

Query Match          9.6%; Score 176.4; DB 12; Length 2431;
Best Local Similarity 99.4%; Pred. No. 2.1e-40;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1669 TTTCAGGGGACAGCGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCTGAGGA 1728
Db 163 TTTCAGGGGACAGCGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCTGAGGA 222

QY 1729 AAGGGTATTGGTGAATGCGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 1788
Db 223 AAGGGTATTGGTGAATGCGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 282

QY 1789 TCCAGGGTGGTGGAAATGATACTGAGCCTACAAGTGTCTGACGGGACGTCGAC 1846
Db 283 TCCAGGGTGGTGGAAATGATACTGAGCCTACAAGTGTCTGACGGGACGTCGAC 340

RESULT 2
US-09-919-408-5
; Sequence 5, Application US/09919408
; Patent No. US20020072077A1
; GENERAL INFORMATION:
; APPLICANT: Lemischka, Ihor R.
; TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSSEE: ImClone Systems Incorporated
; STREET: 180 Varick Street
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10014
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/919,408
; FILING DATE: 31-Jul-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/977,451
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 07/906,397
; FILING DATE: 26-JUN-1992
; APPLICATION NUMBER: US PCT/US92/05401
; FILING DATE: 26-JUN-1992
; APPLICATION NUMBER: TW 81102961
; FILING DATE: 15-APR-1992
; APPLICATION NUMBER: US PCT/US92/02750
; FILING DATE: 02-APR-1992
; APPLICATION NUMBER: US 07/813,593
; FILING DATE: 24-DEC-1991
; APPLICATION NUMBER: US 07/793,065
; FILING DATE: 15-NOV-1991
; APPLICATION NUMBER: US 07/728,913
; FILING DATE: 28-JUN-1991
; APPLICATION NUMBER: US 07/679,666
; FILING DATE: 02-APR-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Felt, Irving N.
; REGISTRATION NUMBER: 28,601
; REFERENCE/DOCKET NUMBER: LEM-3-7P
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-645-1405
; TELEFAX: 212-645-2054
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
;
; LENGTH: 5406 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 208..4311
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 265..4308
; FEATURE:
; NAME/KEY: sig_peptide
; LOCATION: 208..284
; SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-919-408-5

Query Match          9.6%; Score 176.4; DB 10; Length 5406;
Best Local Similarity 99.4%; Pred. No. 3.6e-40;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1669 TTTCAGGGGACAGCGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCTGAGGA 1728
Db 363 TTTCAGGGGACAGCGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCTGAGGA 422

QY 1729 AAGGGTATTGGTGAATGCGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 1788
Db 423 AAGGGTATTGGTGAATGCGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 482

QY 1789 TCCAGGGTGGTGGAAATGATACTGAGCCTACAAGTGTCTGACGGGACGTCGAC 1846
Db 483 TCCAGGGTGGTGGAAATGATACTGAGCCTACAAGTGTCTGACGGGACGTCGAC 540

RESULT 3
US-09-872-136-5
; Sequence 5, Application US/09872136
; Patent No. US20020119545A1
; GENERAL INFORMATION:
; APPLICANT: Lemischka, Ihor R.
; TITLE OF INVENTION: TOTIPOTENT HEMATOPOIETIC STEM CELL
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSSEE: ImClone Systems Incorporated
; STREET: 180 Varick Street
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10014
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/872,136
; FILING DATE: 01-Jun-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/208,786
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US/09/021,324
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US/07/977,451
; FILING DATE: 1992-11-19
; APPLICATION NUMBER: US 07/906,397
; FILING DATE: 26-JUN-1992
; APPLICATION NUMBER: US PCT/US92/05401
; FILING DATE: 26-JUN-1992
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APPLICATION NUMBER: TW 81102961
FILING DATE: 15-APR-1992
APPLICATION NUMBER: US PCT/US92/02750
FILING DATE: 02-APR-1992
APPLICATION NUMBER: US 07/813,593
FILING DATE: 24-DEC-1991
APPLICATION NUMBER: US 07/793,065
FILING DATE: 15-NOV-1991
APPLICATION NUMBER: US 07/728,913
FILING DATE: 28-JUN-1991
APPLICATION NUMBER: US 07/679,666
FILING DATE: 02-APR-1991
ATTORNEY/AGENT INFORMATION:
NAME: Felt, Irving N.
REGISTRATION NUMBER: 28,601
REFERENCE/DOCKET NUMBER: LEM-3-7P
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-645-1405
TELEFAX: 212-645-2054
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 5406 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
FEATURE:
NAME/KEY: CDS
LOCATION: 208..4311
FEATURE:
NAME/KEY: mat_peptide
LOCATION: 265..4308
FEATURE:
NAME/KEY: sig_peptide
LOCATION: 208..264
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-872-136-5

Query Match 9.6%; Score 176.4; DB 10; Length 5406;
Best Local Similarity 99.4%; Pred. No. 3.6e-40;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1669 TTTCAGGGACACGGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCTGAGGA 1728
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
363 TTGCAGGGACACGGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCTGAGGA 422
QY 1729 AAGGGTATTGGTGAATGCGGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 1788
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
423 AAGGGTATTGGTGAATGCGGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 482
QY 1789 TCCCAGGTGGTTGAAATGATACCTGAGCCCTACAAGTCTGCTACCGGAGCGTCGAC 1846
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
483 TCCCAGGTGGTTGAAATGATACCTGAGCCCTACAAGTCTGCTACCGGAGCGTCGAC 540

RESULT 4
US-09-967-655-10
Sequence 10, Application US/09967655
Publication No. US20030092649A1
GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF VASCULAR ENDOTHELIAL GROWTH FACTOR RECEPTOR EXPRESSION
FILE REFERENCE: RTS-0227
CURRENT APPLICATION NUMBER: US/09/967,655
CURRENT FILING DATE: 2001-09-28
NUMBER OF SEQ ID NOS: 95
SEQ ID NO 10
LENGTH: 5470

TYPE: DNA
ORGANISM: Mus musculus
FEATURE:
NAME/KEY: CDS
LOCATION: (286)...(4389)
US-09-967-655-10

Query Match 9.6%; Score 176.4; DB 9; Length 5470;
Best Local Similarity 99.4%; Pred. No. 3.6e-40;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1669 TTTCAGGGACACGGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCTGAGGA 1728
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
441 TTGCAGGGACACGGGACCTGGACTGGCTTTGGCCCAATGCTCAGCGTGATTCTGAGGA 500
QY 1729 AAGGGTATTGGTGAATGCGGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 1788
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
501 AAGGGTATTGGTGAATGCGGCGGTGGTGACAGTATCTTCTGCAAAACACTCACCAT 560
QY 1789 TCCCAGGTGGTTGAAATGATACCTGAGCCCTACAAGTCTGCTACCGGAGCGTCGAC 1846
Db ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
561 TCCCAGGTGGTTGAAATGATACCTGAGCCCTACAAGTCTGCTACCGGAGCGTCGAC 618

RESULT 5
US-09-766-678-1
Sequence 1, Application US/09766678
Patent No. US20020081650A1
GENERAL INFORMATION:
APPLICANT: Ullrich, Axel
Risau, Werner
Millauer, Birgit
Gazit, Aviv
Levitckai, Alex
TITLE OF INVENTION: Flk-1 Is A Receptor For Vascular Endothelial Growth Factor
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/766,678
FILING DATE: 25-Jan-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/193,829
FILING DATE: 09-FEB-1994
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-060
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)790-9090
TELEFAX: (212)869-9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 5470 base pairs
TYPE: nucleic acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: DNA
FEATURE:
NAME/KEY: CDS

LOCATION: 286..4386
SEQUENCE DESCRIPTION: SEQ ID NO: 1;
US-09-766-678-1

Query Match 9.6%; Score 176.4; DB 10; Length 5470;

Best Local Similarity 99.4%; Pred. No. 3.6e-40;
Matches 177; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1669 TTTACGGGGACACGGGACCTGGACTGGCTTTGGCCCCAATGCTCAGCGTGATTTGAGGA 1728

Db 441 TTGACGGGGACACGGGACCTGGACTGGCTTTGGCCCCAATGCTCAGCGTGATTTGAGGA 500

QY 1729 AAGGGTATTGCTGACTGAATGCGCGGTGGTGCAGTATCTCTGCAAAACACTCACCAT 1788

Db 501 AAGGGTATTGCTGACTGAATGCGCGGTGGTGCAGTATCTCTGCAAAACACTCACCAT 560

QY 1789 TCCACGGGTGTTGGAAATGATACTGGAGCCTACAAGTGTCTGTCACGGGACGTCGAC 1846

Db 561 TCCACGGGTGTTGGAAATGATACTGGAGCCTACAAGTGTCTGTCACGGGACGTCGAC 618

RESULT 6

US-10-022-939-1

; Sequence 1, Application US/10022939

; Publication No. US20030032160A1

; GENERAL INFORMATION:

; APPLICANT: Kendall, Richard L.

; APPLICANT: Thomas, Kenneth A.

; APPLICANT: Mao, Xianzhi

; APPLICANT: Tebben, Andrew

; TITLE OF INVENTION: HUMAN RECEPTOR TYROSINE KINASE, KDR

; FILE REFERENCE: 19963YDB

; CURRENT APPLICATION NUMBER: US/10/022,939

; CURRENT FILING DATE: 2001-12-18

; PRIOR APPLICATION NUMBER: 09/483,539

; PRIOR FILING DATE: 2000-01-14

; PRIOR APPLICATION NUMBER: 09/098,707

; PRIOR FILING DATE: 1998-06-17

; PRIOR APPLICATION NUMBER: 60/050,962

; PRIOR FILING DATE: 1997-06-18

; NUMBER OF SEQ ID NOS: 8

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 1

; LENGTH: 4071

; TYPE: DNA

; ORGANISM: Human

US-10-022-939-1

Query Match

Best Local Similarity 5.5%; Score 101.8; DB 9; Length 4071;

Matches 146; Conservative 0; Mismatches 47; Indels 6; Gaps 1;

QY 1648 TGATATCTTCTCGAATACCTTTTCAGGGGACACGGGACCTGGACTGGCTTTGGCCCAA 1707

Db 135 TAATACAACTCTTCAAATTAATCTTCAGGGGACACGGGACCTGGACTGGCTTTGGCCCAA 194

QY 1708 TGCTCAGCGTGATTCAGGAAAGGATTTGCTGACTGAATCGCGCGGTGGTGCAGATAT 1767

Db 195 TAATCAGAGTGGCAGTGAGCAAGGGTGGAGTGCTGAGTGCACGATG-----GCCT 248

QY 1768 CTTCTGCAAAACACTCACCATTCACAGGTGGTGGAAATGATATCTGGAGCCTACAAGTG 1827

Db 249 CTTCTGTAAGACACTCAACAATTCGAAAGTGATCGGAAATGACACTGGAGCCTACAAGTG 308

QY 1828 CTCGTACCGGGACGTCGAC 1846

Db 309 CTTCTACCGGGAACCTGAC 327

RESULT 7

US-10-100-405A-1

; Sequence 1, Application US/10100405A

; Publication No. US20030055239A1

; GENERAL INFORMATION:

; APPLICANT: Kendall, Richard L.

; APPLICANT: Thomas, Kenneth A.

; APPLICANT: Mao, Xianzhi

; APPLICANT: Tebben, Andrew

; TITLE OF INVENTION: HUMAN RECEPTOR TYROSINE KINASE, KDR

; FILE REFERENCE: 19963YDB

; CURRENT APPLICATION NUMBER: US/10/100,405A

; CURRENT FILING DATE: 2002-08-13

; PRIOR APPLICATION NUMBER: 10/022,939

; PRIOR FILING DATE: 2001-12-18

; PRIOR APPLICATION NUMBER: 09/483,539

; PRIOR FILING DATE: 2000-01-14

; PRIOR APPLICATION NUMBER: 09/098,707

; PRIOR FILING DATE: 1998-06-17

; PRIOR APPLICATION NUMBER: 60/050,962

; PRIOR FILING DATE: 1997-06-18

; NUMBER OF SEQ ID NOS: 8

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 1

; LENGTH: 4071

; TYPE: DNA

; ORGANISM: Human

US-10-100-405A-1

Query Match

Best Local Similarity 5.5%; Score 101.8; DB 9; Length 4071;

Matches 146; Conservative 0; Mismatches 47; Indels 6; Gaps 1;

QY 1648 TGATATCTTCTCGAATACCTTTTCAGGGGACACGGGACCTGGACTGGCTTTGGCCCAA 1707

Db 135 TAATACAACTCTTCAAATTAATCTTCAGGGGACACGGGACCTGGACTGGCTTTGGCCCAA 194

QY 1708 TGCTCAGCGTGATTCAGGAAAGGATTTGCTGACTGAATCGCGCGGTGGTGCAGATAT 1767

Db 195 TAATCAGAGTGGCAGTGAGCAAGGGTGGAGTGCTGAGTGCACGATG-----GCCT 248

QY 1768 CTTCTGCAAAACACTCACCATTCACAGGTGGTGGAAATGATATCTGGAGCCTACAAGTG 1827

Db 249 CTTCTGTAAGACACTCAACAATTCGAAAGTGATCGGAAATGACACTGGAGCCTACAAGTG 308

QY 1828 CTCGTACCGGGACGTCGAC 1846

Db 309 CTTCTACCGGGAACCTGAC 327

RESULT 8

US-09-967-655-3

; Sequence 3, Application US/09967655

; Publication No. US20030092649A1

; GENERAL INFORMATION:

; APPLICANT: C. Frank Bennett

; APPLICANT: Andrew T. Watt

; TITLE OF INVENTION: ANTISENSE MODULATION OF VASCULAR ENDOTHELIAL GROWTH FACTOR

; TITLE OF INVENTION: EXPRESSION

; FILE REFERENCE: RTS-0227

; CURRENT APPLICATION NUMBER: US/09/967,655

; CURRENT FILING DATE: 2001-09-28

; NUMBER OF SEQ ID NOS: 95

; SEQ ID NO 3

; LENGTH: 5830

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (304)...(4374)

US-09-967-655-3

Query Match

Best Local Similarity 5.5%; Score 101.8; DB 9; Length 5830;

Matches 146; Conservative 0; Mismatches 47; Indels 6; Gaps 1;

QY 1648 TGATATCTTCTCGAATACCTTTTCAGGGGACACGGGACCTGGACTGGCTTTGGCCCAA 1707

Qy	424	CAGTGTGTTTTCCTGGGCACAGTAATAGACCTTAGATCGTAGTGCCATGCCAAGAGAGATGC	483
Db	369	SSGDELREDDEPVVKRRGRKRGPPSSSDSPEAELEREAKSKAKKPOSSSTEPARKPG	428
Qy	484	TTGTGTGCAAAAGAGCCCTAGCACCTTGTGCGACTTGTGCGCTCATATTTTGAAGAATACTAA	543
Db	429	QKEKRVRFEEQQQAAPVVERTRKRSEGFMSDMRKVEKKPEPSVEEKQLKLHSEIKFALKV	488
Qy	544	GAGTGTCCCCGAATAACTCAGGGCTAGTGTTCATGTCATGTCGAGAGAGATCCAAGCC	603
Db	489	DSPDVKRCNLNALEEGLTLQVTSQILQKNTDVVATLKKIRRYRANKDVMKEAAEVYTRLKS	548
Qy	604	TCCATTCTAGGTCCTACAAAAGTACCACATGCCACTCTTTGGGGAAAGCAAACCAACA	663
Db	549	RVLGPKTEAVQKVNGMGEKEAKEEKLAGEEAPOEKAEADKPSTDLSAPVNGEATS	608
Qy	664	AAGCGATG	671
Db	609	OKGESAE	616

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QY      664  AAGCGATG 671
      | : |
Db      609  OKGESAE 616

RESULT 10
US-10-184-634-346
; Sequence 346, Application US/10184634
; Publication No. US20030068684A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C217
; CURRENT APPLICATION NUMBER: US/10/184, 634
; CURRENT FILING DATE: 2002-06-28
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 346
; LENGTH: 671
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-634-346

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; SEQ ID NO 346
; LENGTH: 671
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-184-634-346

Query Match      2.6%; Score 48.4; DB 9; Length 671;
Best Local Similarity 7.6%; Pred No. 0.0018;
Matches 46; Conservative 209; Mismatches 353; Indels 0; Gaps 0

QY 64 GAATAGAGCTAAAAATTCATCCATGTTCAAGTCACCCAGAATGGCTCTGGACATATTTT 123
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 9 DLVEAKMKGYHPHPARIDDIADGAVKPPPNKYPIFFFGTHETAFGLPKDLPPYDKCKOKY 68

QY 124 TTTTTAGCTGTTTCTACAAGTGAATTCGCCGTGATTAGCAAAATTAATATCTAGCCAA 183
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 69 GKPKRKRGFEGWLWEIQNNPHASASAPPPVSSSDSEAPENPADGSDADEDEDGVMVAV 128

QY 184 TAATATTCCTGACCATATGTCCTGTTTCAGACCATGACCTTCATATCTGCGTTGATGTTTC 243
   ||:|:|:| : : : : : : : : : : : : : : : : : : : : : :
Db 129 TAVTATAASDRMESDSDSDKSSDNGSLKRTKTPALKMSVSKRKARKASSDLDQASVSPSEE 188

QY 244 TGGCGTCTTTCCCTCTTGGCAGCAAGATGTACGGTGTGATGCTGGATAAATCTGAAA 303
   : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 189 NSESSSESEKTSDDQDFTPEKAAVRAPRGRPLGGRKKKKAPASDSDSKADSDGAKPEPV 248

QY 304 ACAGAAGTTTTTCGAACAGACGACCTTGAATTTTTCGTTTCCCTCGAGACACAAGAAA 363
   |:|:|:| : : : : : : : : : : : : : : : : : : : : : :
Db 249 AMARASSSSSSSSDSDSVSKPPRGRKPAERPLPKPRGRKPKPKPPPPSSSSSDSDSD 308

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; PRIOR APPLICATION NUMBER: 60/225,757
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/226,868
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/216,647
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,267
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/216,880
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,270
; PRIOR FILING DATE: 2000-08-14
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; PRIOR FILING DATE: 2000-09-27
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; PRIOR APPLICATION NUMBER: 60/220,964
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; PRIOR APPLICATION NUMBER: 60/241,809
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; PRIOR APPLICATION NUMBER: 60/251,868
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; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/234,997
; PRIOR FILING DATE: 2000-09-25
; PRIOR APPLICATION NUMBER: 60/229,343
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; PRIOR FILING DATE: 2000-09-08
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; PRIOR FILING DATE: 2000-09-05
; PRIOR APPLICATION NUMBER: 60/236,367
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/237,039
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/237,038
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/236,370
; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/236,802

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; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/237,037
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/237,040
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/240,960
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/239,935
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; PRIOR APPLICATION NUMBER: 60/241,787
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/246,474
; PRIOR FILING DATE: 2000-11-08
; PRIOR APPLICATION NUMBER: 60/246,532
; PRIOR FILING DATE: 2000-11-08
; PRIOR APPLICATION NUMBER: 60/249,216
; PRIOR FILING DATE: 2000-11-17
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; PRIOR APPLICATION NUMBER: 60/225,759
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; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/227,182
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/225,214
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/235,836
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: 60/230,438
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/215,135
; PRIOR FILING DATE: 2000-06-30
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; PRIOR FILING DATE: 2000-11-17
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; PRIOR FILING DATE: 2000-11-17
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; PRIOR APPLICATION NUMBER: 60/249,297
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/232,400
; PRIOR FILING DATE: 2000-09-14
; PRIOR APPLICATION NUMBER: 60/231,242
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/232,081
; PRIOR FILING DATE: 2000-09-08
; PRIOR APPLICATION NUMBER: 60/232,080
; PRIOR FILING DATE: 2000-09-08

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?	PRIOR APPLICATION NUMBER: 60/233,064	?
?	FILING DATE: 2000-09-14	?
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?	PRIOR APPLICATION NUMBER: 60/232,399	?
?	FILING DATE: 2000-09-14	?
?	PRIOR APPLICATION NUMBER: 60/232,401	?
?	FILING DATE: 2000-09-14	?
?	PRIOR APPLICATION NUMBER: 60/241,808	?
?	FILING DATE: 2000-10-20	?
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?	PRIOR APPLICATION NUMBER: 60/241,221	?
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?	FILING DATE: 2000-11-08	?
?	PRIOR APPLICATION NUMBER: 60/231,243	?
?	FILING DATE: 2000-09-08	?

Query Match 2.2%; Score 41.2; DB 9; Length 12194;
Best Local Similarity 51.6%;
Pred. No. 1.5;
Matches 94; Conservative 0; Mismatches 88; Indels 0;

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RESULT 13
US-09-952-213D-6
/ Sequence 6, Application US/09952213D
/ Publication No. US20030096240A1
/ GENERAL INFORMATION:
/ APPLICANT: MURAD, FERID
/ APPLICANT: SHARINA, IRAIDA G.
/ APPLICANT: KRUMENACKER, J. S.
/ APPLICANT: MARTIN, E.
/ TITLE OF INVENTION: GENOMIC ORGANIZATION OF
/ FILE REFERENCE: UTSH:252US
/ CURRENT APPLICATION NUMBER: US/09/952,213D
/ CURRENT FILING DATE: 2002-08-16
/ NUMBER OF SEQ ID NOS: 15
/ SOFTWARE: Patent In Ver. 2.1
/ SEQ ID NO 6
/ LENGTH: 177556
/ TYPE: DNA
/ ORGANISM: Mus musculus
/ FEATURE:
/ NAME/KEY: modified_base
/ LOCATION: (2293..144567)
/ OTHER INFORMATION: N = A, C, T/U OR G
/ US-09-952-213D-6

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Query Match      2.2%  Score 40.4:  DB 9:  Length 177556;
Best Local Similarity 52.4%:  Pred. No. 15;
Matches 89:  Conservative 0:  Mismatches 81:  Indels 0:  Gaps 0:

QY      89  TTCAAGTCACCCAGCAATGGCTCTCGACATATTTTTTTTTTAGCTGTTTTCTACAAGTGAA 148
Db      174405  TCCAGTAACTCACTGGAATTTTCTGTTTTCTAAATGACCTCTTTGAGACATTTGGA 174464

QY      149  ATTCTGCGCTGTATTAGCAATTTAATATCTAGCCGAATAATATTTCCGACCATATGTCCTGT 208
Db      174465  ATGAAGCCCATAGTTTAAATTTGGCATATCTCCAGTACTTTTCATTTTAGGTAATGTTCTTT 174524

QY      209  TCAGACCATGACCTTCATAATCTGGCTGATGTTCTGGCTCTCTTTCCCT 258
Db      174525  TATGCCCATGACATATTTGAAACTGTTTGTTGTTTTCTTTCTCTCTT 174574

RESULT 14
US-10-092-154-1581/c
; Sequence 1581, Application US/10092154
; Publication No. US20030054375A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC009C1
; CURRENT APPLICATION NUMBER: US/10/092.154
; CURRENT FILING DATE: 2002-03-07
; NUMBER OF SEQ ID NOS: 2003
; Prior Application removed - See File Wrapper or Palm
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1581
; LENGTH: 9717
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-092-154-1581

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	Query Match.	2.2%;	Score 40;	DB 9;	Length 9717;
	Best Local Similarity	45.9%;	Pred. No. 2.9;		
	Matches 136;	Conservative	0;	Mismatches 160;	Indels 0;
	Gaps	0;			
Qy	1042	TGTTGTGTTCTTCAATGCCTTCAGATGTGCCCTGGGTCTGTCTGTCTTCACACACTTACT	1101		
Db	2556	TATTCTTCTTGTTAAATGACTCAGAGGTAAATAATATATGTATGTGAGTCCCCCATTTACC	2497		
Qy	1102	GATGCTGCCCTGGAAATGCTATTCTCCCAATGTGCATAGGCGCAGCTCGGTCCCAATCCTC	1161		
Db	2496	CTCGCAAGATAAGTTCTTTTAAATGCAATTAGAATAATCTTAAGATAAAATTACAAATCC	2437		
Qy	1162	TCCTTTCTTTGGCCTCTTTTATTTTCTTCACAGTATCAAAATCACCACAGTTTATGCAA	1221		
Db	2436	TCATTATGATCCCTTTCTCTGAGTGAATGAGACACTGCACAGATGAGAGGTACTATTC	2377		
Qy	1222	CAAACTCAAACTTTAAATTTGCTGTCTCCTTTATATTAGTCATAGTTTCAGAAAGGCAC	1281		
Db	2376	TATTCAATCAACAATCAACCTTTCACTCAATTTTAAATATTATTTAAATTTCTATGGAAAAAC	2317		
Qy	1282	TGATTTTTTTTCTCCCTGGTGTACACTGGGCAACTACTCTACCACTCGAGCGTGAT	1337		
Db	2316	AAATTTTATTATACATTTCTCTTTTAAACCGGGGAAAAAAGCTGACAAAGTAAGCATGAT	2261		

US-09-952-213D-6
OTHER INFORMATION: N = A, C, T/U OR G

; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5983
; LENGTH: 9717
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-5983

Query Match 2.2%; Score 40; DB 9; Length 9717;
Best Local Similarity 45.9%; Pred. No. 2.9;
Matches 136; Conservative 0; Mismatches 160; Indels 0; Gaps 0;
QY 1042 TGTTCCTCTTCTTCAATGCTTCAGATGGCCCTGGTCCCTGCTGCTTCACACCTTACT 1101
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
7162 TATTTCTTCTGTTAATGAGTCAGAGGTATTAATATATATGATGTCAGTCCGCCCATTTACC 7221
QY 1102 GATGCTGCTGGAATGCTATTCTCCCAATGTCATAGGGCCAGCTCGTCCAAATCCTC 1161
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
7222 CTGGCAAGATAAGTTCTTTAAATGCAATTAGAATATCCTAAGATAAATTACAACTCC 7281
QY 1162 TCTTTTCTTCCCTCTTTTATATTTTCTTCCACAGTATCAAAATCACCACAGTTTATGCAA 1221
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
7282 TCTTATGTATCCTTTTCTCTGAGTGAAATGAGACACTGCACAGATGAGAGGTACTATTC 7341
QY 1222 CAAACTGAAACTTTAAATGCTGCTCTCTATATTAGTCATAGGTTCCAGAAAGGCAC 1281
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
7342 TATTCATCAACAATCAACCTTCACTCAATTTTAAATATTTAATTTCTATGGAAAAAC 7401
QY 1282 TGATTTTCTTCTCCCTGGTGTACACTGGGCAACTACTCTACCACTGAGGCTGAT 1337
Db ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
7402 AAATTTTATTACATTCCTTTTAAACGGGGGAAAACTGTACAAGTAAGCATGAT 7457

Search completed: June 16, 2003, 20:06:37
Job time : 253.276 secs

